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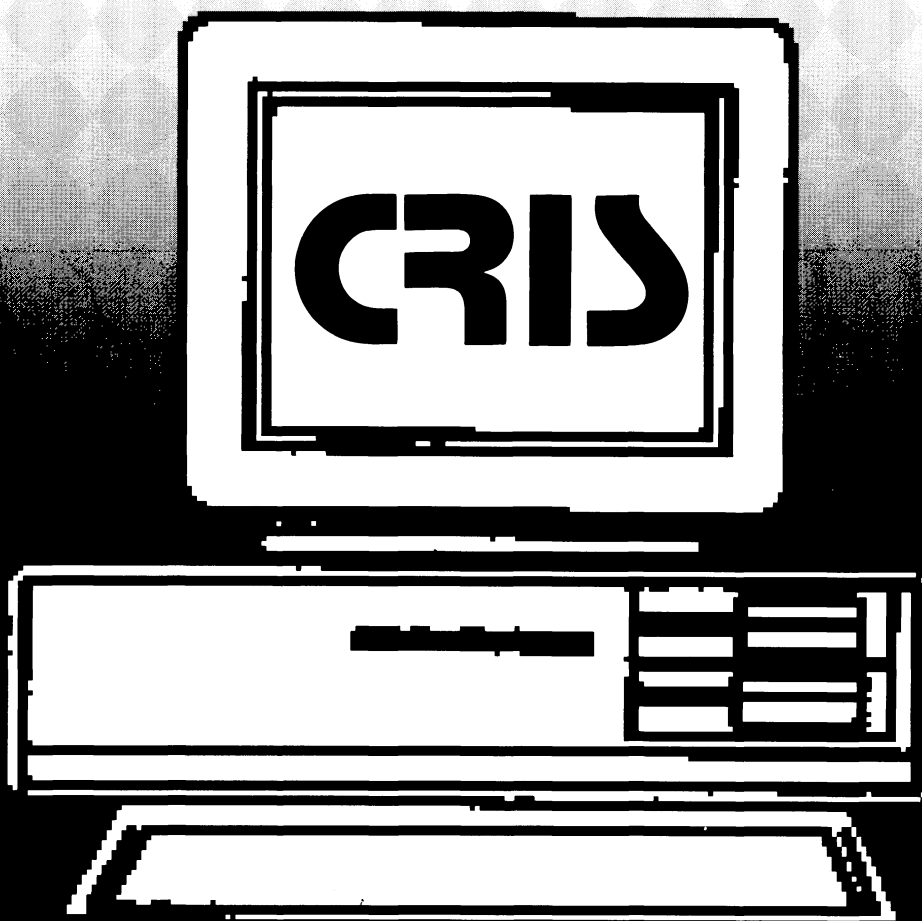
Current Research  
Information System

**CRIS**

*CSRS Budget Office*

# Inventory of Agricultural Research Fiscal Year 1990

## Current Research Information System



# **INVENTORY OF AGRICULTURAL RESEARCH**

**FISCAL YEAR 1990**

Fiscal year 1990 covers the period from October 1, 1989, through September 30, 1990.

This report was compiled from data supplied to the Current Research Information System, Cooperative State Research Service, by U.S. Department of Agriculture Research Agencies, State Agricultural Experiment Stations, Forestry Schools and Other Institutions.

Issued by

**COOPERATIVE STATE RESEARCH SERVICE  
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## INTRODUCTION

The Inventory of Agricultural Research is a collection of statistical tables compiled annually since 1966 on research conducted by the United States Department of Agriculture (USDA), State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine, and Other Institutions. The tables were designed to assist persons who carry out the "joint research program planning, evaluation, and coordination" recommended in the long-range study, A National Program of Research for Agriculture, published in October 1966. Input data is provided to the Current Research Information System (CRIS) by USDA Research Agencies on Forms AD-416, AD-417, and AD-418, and by State Agricultural Experiment Stations and Other Institutions on Forms AD-416, AD-417, and AD-419. (See Table of Contents.)

From 1968 through 1981, the Inventory was published in three-volume sets. Publication of Volume I was discontinued in 1982. Volumes II and III were combined into a single volume in 1983.

Tables in the II series show scientist years and funds for USDA agencies and SAES et al. Tables in the III series show funding data for USDA research by source of funds. Tables in the IV series show funding data for SAES et al. by source of funds.

The II-B, III-B, and IV-B Tables show a breakdown of the data by the commodity classification used in the long-range study. The II-D, III-D, and IV-D Tables show data for each of the 98 Research Problem Areas (RPA) used in the long-range study. The III-E and IV-E Tables provide summaries of funds and scientist years by agency or station/institution.

Table V shows scientist years by Research Program Group (RPG) and Research Program (RP). RP's and RPG's are made up of unique combinations determined by type of research (agricultural or forestry), activity, commodity, and Research Problem Area (RPA) classification.

All funds appearing in this volume are gross figures. This means that funds not allocated to specific research projects, but considered to be an integral part of the cost of doing research, are prorated to the appropriate research projects. The nature and amount of funds not allocated to projects vary among the stations and USDA agencies. It usually includes administration, supervision, and personnel and financial services. It may include publications and statistical services, rent, operation of research farms, and other expenditures that relate to several or all projects. Prior to Fiscal Year 1972, Tables III and IV reflected net funds.

Starting with Fiscal Year 1982, all inventory tables include data from cooperating Schools of Veterinary Medicine. Starting with Fiscal Year 1986, funds provided by the Agency for International Development (AID) are included with Other Federal Funds in Series II, III and IV Tables.

Funds and staff support for a number of Forestry Schools and Schools of Veterinary Medicine are included with the State Agricultural Experiment station figures, rather than listed independently.

Research Work Unit/Project Classification - Listings of the appropriate classification categories are included in each of the volumes. More complete descriptions of classification can be found in the "Manual of Classification of Agricultural and Forestry Research," Revision IV, Feb. 1982, available from the Current Research Information System, Cooperative State Research Service, U.S. Department of Agriculture.

Classification on individual Research Work Unit/Projects is provided on Form AD-417. Many inputs used only one line. For example, a project carried out by an entomologist on control of cotton insects would be coded:

"Activity" - 4500 (Insect control), "Commodity" - 2100 (Cotton), "Field of Science" - 0412 (Entomology), "Research Problem Area" - 207 (Insect pests of field crops) - 100%

Some inputs (projects) could not be classified on a single classification line. For example, a project carried out by a geneticist on breeding corn for disease resistance and improved yield would use two classification lines. If, in the judgment of the person preparing the input form, three-fourths of the emphasis were on disease resistance and one-fourth on yield, the lines would be:

"Activity" - 4600 (Disease Control), "Commodity" - 1400 (Corn), "Field of Science" - 0512 (Genetics), "Research Problem Area" - 208 (Control of disease of field crops) - 75%

"Activity" - 5000 (Biol. efficiency), "Commodity" - 1400 (Corn), "Field of Science" - 0512 (Genetics), "Research Problem Area" - 307 (Improvement of biological efficiency of field crops) - 25%

In the Research Problem Area tabulations, 75% of the scientist years and of the funds reported for this project would be aggregated with other projects in the Problem Area, "Control of diseases of field crops," and 25% would be aggregated with other projects in the Research Problem Area, "Improvement of biological efficiency of field crops." In the Commodity tabulations, 100% of this project would be in "corn."

FOREST SERVICE DATA FOR FY 1990 IS ESTIMATED. ACTUAL DATA WILL NOT BE AVAILABLE UNTIL THE COMPLETION OF A MAJOR COMPUTERIZATION EFFORT THAT IS CURRENTLY UNDERWAY. FY 1990 DATA WERE PROJECTED FROM ACTUAL AND ESTIMATED FY 1989 AND STAFF SUPPORT DATA FOR THE FOLLOWING INSTITUTIONS: NORTH DAKOTA, NEW JERSEY, SAMOA AND WISCONSIN AGRICULTURAL EXPERIMENT STATIONS; DELAWARE STATE COLLEGE, DOVER, AND PRAIRIE VIEW A&M UNIVERSITY, PRAIRIE VIEW, TEXAS; SCHOOLS OF VETERINARY MEDICINE--TUSKEGEE UNIVERSITY, TUSKEGEE, ALABAMA, AND TUFTS UNIVERSITY, NORTH GRAFTON, MASSACHUSETTS.

## TABLE II

Table II summarizes data on the research programs of the United States Department of Agriculture (USDA) research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Column 1 includes abbreviations for the Commodity and Research Problem Area (RPA) Classifications. See the Manual of Classification of Agricultural and Forestry Research, Revision IV, February 1982, for a more detailed description of the Commodity and RPA classification.

"NO OF PROJ," column 2 gives the number of projects in a particular classification category. Projects with more than one line of classification may be tabulated in more than one category.

"SCIENTIST YEARS," column 3 includes for SAES et al. all research workers with a rank of Assistant Professor or above. It excludes graduate assistants and research administrators. For staff members engaged in research and teaching (or other non-research activities), only the full-time equivalent of the portion of time devoted to research is included. A count of the different individuals engaged in the program would be greater than the scientist-years reported. For USDA agencies, scientist-years include research workers whose rating is GS-11 or above. It does not include those with GS-7 or GS-9 ratings or those engaged in research administration. Scientists who start work after October of the Fiscal Year, or whose employment is terminated before September 30, are reported for only that portion of the year which represents actual employment.

"REG FED APPR (CSRS ADMSTRD)," column 4 means Regular Federal Appropriations (including those administered by the Cooperative State Research Service). For USDA research agencies, including Competitive Research Grants, CSRS Special Grants, and Small Business Innovative Research Grants, the amounts reported are the sums of the amounts in Fields 101, 104, 105, 106 and 107 of Form AD-418, plus the amount in Field 19 of Form AD-416 for grants and contracts in the year of obligation. The second portion of this heading, "CSRS ADMSTRD," applies only to Federal funds made available by CSRS to SAES et al. For these institutions, the amounts reported are the sums of the amounts in Fields 201, 202, 203 and 205 of Form AD-419.

"TOTAL FUNDS," column 5 includes for USDA all funds under "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-418, plus "Non-Federal Research Funds" as reported on Form AD-418. For SAES et al. "TOTAL FUNDS" includes "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-419, plus "Non-Federal Research Funds" as reported on Form AD-419.

"USDA CON/GR/CA WITH SAES," columns 6 and 7 refer to contracts, grants, and cooperative agreements under which the USDA uses federally appropriated funds to SAES et al. for the performance of specific research tasks. They include Competitive Research Grants and CSRS "Special Grants" but not grants from other CSRS administered funds. Scientist-years and fund data reported in these columns are also included in columns 3 and 5. SAES et al. report expenditures of these funds in Fields 204 and 219 of Form AD-419. Scientist-years supported by these funds are not reported separately for SAES et al. in column 6 but are included in column 3. USDA agencies treat each contract, grant, or cooperative agreement with an SAES as a separate work unit or project. The amounts included in column 7 by USDA are reported in Field 19 of Form AD-416. This field shows the expected scientist-years to be "purchases," usually over a multi-year period, with the funds reported as obligated.

In the tables for National Total USDA, SAES and Other Institutions, all data have been adjusted to eliminate double counting of the scientists and funds involved in USDA contracts, grants, and cooperative agreements with the SAES et al. This is done for scientist years by adding USDA amounts in column 3 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 6. This is done for funds by adding USDA amounts in column 5 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 7.

### TABLE III

Table III summarizes data on the research programs of the USDA research agencies.

Columns 1 and 2 are the same as those columns in Table II.

#### STAFF - IH SUPPORT YEARS

Column 3, "SYS" is the number of federally employed (in-house) support scientist years (Field 141 of Form AD-418 and Field 19-2 of Form AD-416 in the case of contracts, grants, and cooperative agreements with SAES).

Column 4, "OTHER" is a summation of the federally employed (in-house) staff support for research in years of effort for Professional, Technical and Other (Fields 142, 143 and 144 of Form AD-418).

#### FUNDS - IN THOUSANDS OF DOLLARS

Columns 5-15 involve rounding each datum to the nearest \$1,000, and because of this the items in a column may not add exactly to the total shown. Please note that funds shown are gross obligations.

Column 7, "REG IN HOUSE" includes regular appropriations used for in-house research (Field 101 of Form AD-418).

Column 8, "CGCA SAES" includes funds obligated during the year from regular appropriations in contracts, grants, and cooperative agreements with State Agricultural Experiment Stations (Field 19 of Form AD-416).

Column 9, "OTHER CN GT" includes funds obligated during the year from regular appropriations in contracts and grants with research organizations other than those included in Column 8 (Field 19 of Form AD-416).

Columns 10 and 11, "SP FD 015" and "SP FD 010" include obligations for sub-professional help on research programs based on two special funds available to the Agricultural Research Service. (See Fields 104 and 105 of Form AD-418)

Column 12, "FOREST SERV" includes funds received by the Forest Service under provisions of the Whitten Act (Field 106 of Form AD-418).

Column 13, "OTHER USDA" includes any other USDA funds appropriated for research which are not identified with Fields 101 to 106, inclusive, of Form AD-418 (reported in Field 107 of Form AD-418).

Column 14, "TOTAL USDA APPR" is a total of the amounts reported in Columns 7, 8, 9, 10, 11, 12 and 13.

Column 15, "OTHER FED FUND" includes all funds from Federal sources other than USDA research appropriations (Fields 308, 310-316, inclusive, and Field 318 of Form AD-418).

Column 16, "NON-FED FUND" includes all funds made available to the Department for research by non-Federal agencies (Field 133 of Form AD-418).

Column 17, "TOTAL" is a summation of all funds reported in Columns 14, 15 and 16.

#### TABLE IV

Table IV summarizes data on the research programs of the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Included in the summaries for the Northeast Region are the research programs of all SAES et al. in: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and West Virginia.

Included in the summaries for the Southern Region are the research programs of all SAES et al. in: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, Virginia and the Virgin Islands.

Included in the summaries for the North Central Region are the research programs of all SAES et al. in: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin.

Included in the summaries for the Western Region are the research programs of all SAES et al. in: Alaska, American Samoa, Arizona, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, Northern Marianas, Oregon, Utah, Washington, Wyoming and Micronesia.

Columns 1 and 2 are the same as those columns in Table II.

#### STAFF - SUPPORT YEARS

Column 3, "SYS" is the number of scientist years (Field 241 of Form AD-419).

Column 4, "OTHER," is the summation of the non-Federally employed staff support for research in years of effort for three categories of support personnel, i.e. Professional, Technical and Other (Fields 242, 243 and 244 of form AD-419).

#### FUNDS IN THOUSANDS OF DOLLARS

Columns 5-19, inclusive, involve rounding each datum to nearest \$1,000, and because of this, items in a column may not add exactly to the total shown.

Column 5, "HATH/RRF," includes obligations of formula funds, including regional research funds, received by SAES from Federal appropriations authorized under provisions of the Hatch Act (Field 201 + Field 202 of Form AD-419).

Column 6, "MCIN STEN," includes obligations of funds received by SAES and Forestry Schools under provisions of the McIntire-Stennis Act (Field 203 of Form AD-419).

Column 7, "SP GT" includes obligations of funds received by SAES et al. from the Federal appropriations made to CSRS for Special Grants (Field 204 of Form AD-419).

Column 8, "COMP GT" includes expenditures of funds received by SAES et al. from the Competitive Research Grants Program (Field 204 of Form AD-419).

Column 9, "EVNS ALLN" includes obligations of formula funds received by the Colleges of 1890 and Tuskegee University from Federal appropriations authorized under PL 95-113, Section 1445 (Field 205 of Form AD-419).

Column 10, "ANML HLTH" - Animal Health and Disease Research includes obligations of formula funds received by Colleges of Veterinary Medicine and SAES from Federal appropriations authorized under PL 95-113, Section 1433 (Field 205 of Form AD-419).

Column 11, "OTH CSRS" includes obligations of funds received by SAES et al. from any appropriation administered by CSRS other than those specifically mentioned in columns 5-10 (Field 205 of Form AD-419).

Column 12, "TOTAL CSRS" includes obligations of funds received by SAES et al. from Federal appropriations made to CSRS. It is a total of the amounts reported in columns 5, 6, 7, 8, 9, 10 and 11.

Column 13, "USDA CGCA" includes obligations of funds received by SAES et al. from contracts, grants, and cooperative agreements with the research performing agencies of the USDA (Field 219 of Form AD-419).

Column 14, "OTH FED" includes obligations of funds received by SAES et al. from contracts, grants and cooperative agreements with Federal agencies other than the USDA (Field 332 minus Field 219 of Form AD-419).

Column 15, "STATE APPRO" includes obligations of funds received by SAES et al. from State appropriations (Field 220 of Form AD-419).

Column 16, "PROD SALES" includes obligations of funds received by SAES et al. from sale of products (Field 221 of Form AD-419).

Column 17, "INDTRY" includes obligations of funds received by SAES et al. from industry (Field 222 of Form AD-419).

Column 18, "OTHER" includes obligations of funds received by SAES et al. from any other non-Federal sources (Field 223 of Form AD-419).

Column 19, "TOTAL" includes all obligations of SAES et al. in support of research projects. It is a total of columns 12, 13, 14, 15, 16, 17 and 18.



**TABLE IV-F**

Columns 1, 2, 3 and 4 are the same as above.

Column 5, "CSRS ADM" is the sum of all funds received by SAES et al. from any sources administered by CSRS (Fields 201, 202, 203, 204 and 205 of Form AD-419).

Column 6 "USDA CGCA" is same as column 13 above (Field 219 of Form AD-419).

Column 7 "NSF" includes obligations of funds received by SAES et al. from the National Science Foundation (Field 209 of Form AD-419).

Column 8 "DOE" includes obligations of funds received by SAES et al. from the Department of Energy (Field 310 of Form AD-419).

Column 9 "AID" includes obligations of funds received by SAES et al. from the Agency for International Development (Field 308 of Form AD-419).

Column 10 "DOD" includes obligations of funds received by SAES et al. from the Department of Defense (Field 311 of Form AD-419).

Column 11 "NIH" includes obligations of funds received by SAES et al. from the National Institutes of Health (Field 316 of Form AD-419).

Column 12 "PHS" includes obligations of funds received by SAES et al. from the Public Health Services (Field 312 of Form AD-419).

Column 13 "HHS" includes obligations of funds received by SAES et al. from the Department of Health and Human Services (Field 313 of Form AD-419).

Column 14 "NASA" includes obligations of funds received by SAES et al. from the National Aeronautics and Space Administration (Field 314 of Form AD-419).

Column 15 "TVA" includes obligations of funds received by SAES et al. from the Tennessee Valley Authority (Field 315 of Form AD-419).

Column 16 "OTHER" includes obligations of funds received by SAES et al. from any non-USDA Federal sources not listed above (Field 318 of Form AD-419).

Column 17 "TOTAL OTHER FED" includes obligations of funds received by SAES et al. from all non-USDA Federal sources. It is a total of the amount reported in Columns 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 (Field 332 of Form AD-419).

Column 18 "TOTAL NON-FED" includes obligations of funds received by SAES et al. from all non-Federal sources (Field 233 of Form AD-419).

Column 19 "TOTAL" includes all obligations of SAES et al. in support of Research Projects. It is a total of Columns 5, 6, 17 and 18 (Field 234 of Form AD-419).

#### **TABLE V**

Table V summarizes data on the research programs of the USDA research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions. Table V-B shows scientist years by Research Program. Table V-C shows scientist years by Research Program Group.

The material is organized into manageable units and subunits based on type of research (agricultural or forestry), Activity, Commodity and Research Problem Area (RPA) classification. The various Activity X Commodity X RPA combinations for the two types of research aggregate to 63 Research Programs (RPs) which, in turn, aggregate to eight (8) Research Program Groups (RPGs). One additional RP/RPG has been established for unclassified projects. Duplication has been eliminated by designating each unique Type X Activity X Commodity X RPA combination as having a primary impact on only one of the 63 RPs. For example, a research project conducted by the Agricultural Research Service concerning watershed protection, Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having a primary impact on RP 1.02 "Water and Watersheds." A research project conducted by the Forest Service concerning watershed protection Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having primary impact on RP 2.04 "Forest Watersheds, Soils, and Pollution."

Forestry Research (type) includes all research conducted by Forest Service, Forestry Schools funded by McIntire-Stennis or designated Forestry by the Cooperative State Research Service. All other research is considered agricultural research. Columns 3 and 4 (agricultural) and 3 and 5 (forestry) show the combinations which have primary impact on each research program.

Effective with Fiscal Year 1980 data, a number of changes were made to the Research Program Group (RPG) and Research Program (RP) structures described in this publication. Added visibility for the Food and Human Nutrition Research area was achieved by removing it from former RPG 5.00 - People, Communities and Institutions establishing a new RPG 8.00 - Food Science and Human Nutrition. The title for RPG 5.00 was amended to "People, Communities and Institutions - including Rural Development" and two new RPs were added. Commodity oriented research, formerly classified under RPG - 7.00 General Research or Technology, was moved to the appropriate major category (RPG) by adding a number of new RPs to RPG 1.00 - Natural Resources, RPG 2.00 - Forestry, RPG 3.00 - Crops, and RPG 4.00 - Animals. Additionally, former RP 7.01 was split into two RPs. Please see the RPG/RP table for the specific changes.

Scientist years (SYS) are listed by performing organization with the following exception: SYS funded by USDA contracts, grants and cooperative agreements with organizations other than SAES are listed by funding organization.

<b>U.S. DEPARTMENT OF AGRICULTURE</b> <b>RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH RESUME</b> U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS					DATE (Day, Month, Year)		AMENDMENT <div style="text-align: center;"><input type="checkbox"/></div>		
1. ACCESSION NO.		2. AGENCY IDENTIFICATION NO.		3. WORK UNIT/PROJECT NO.		6. STATUS New <input type="checkbox"/> Extended <input type="checkbox"/> Revised <input type="checkbox"/> Term- <input type="checkbox"/> Pend- <input type="checkbox"/> A <input type="checkbox"/> E <input type="checkbox"/> C <input type="checkbox"/> inated <input type="checkbox"/> ing <input type="checkbox"/> F <input type="checkbox"/>			
7. TITLE									
8. PERFORMING ORGANIZATION					13. RESPONSIBLE ORGANIZATION				
CITY		STATE/COUNTRY		ZIP CODE		CONG. DISTRICT		CITY	
								14. STATE	
								ZIP CODE	
12. INVESTIGATOR NAME(S) (Last name & initials)					15. RESPONSIBLE INDIVIDUAL (Last name & initials)				
1 _____		4 _____		16. RESEARCH LOCATION ON CAMPUS?					
2 _____		5 _____		A <input type="checkbox"/> Yes B <input type="checkbox"/> No					
3 _____		6 _____							
PROJECT TYPE					CONTRACTS, GRANTS & COOPERATIVE AGREEMENTS				
17-1. FOR USDA USE		17-2. FOR USDA USE		18-1. FOR STATE USE		18-4. CONTR./GR./AGMT./NO.		19-1. FACE AMOUNT	
A <input type="checkbox"/> Contract B <input type="checkbox"/> Grant C <input type="checkbox"/> Coop. Agmt. D <input type="checkbox"/> In-house		Contr./Gr./ Agmt. with SAES <input type="checkbox"/> Other <input type="checkbox"/>		1890/T SP GR RD V CRGO Alcohol Ind SBRG T <input type="checkbox"/> G <input type="checkbox"/> R <input type="checkbox"/> C <input type="checkbox"/> I <input type="checkbox"/> B <input type="checkbox"/>		18-5. FOR STATE USE ARS ERS FS ACS SRS A <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/>		19-2. TOTAL SYS. 20. F Y 	
				Hatch M-S State AH Native Latex A <input type="checkbox"/> B <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> L <input type="checkbox"/>					
21. FACILITIES								22.-23. REGIONAL PROJECT NO.	
A <input type="checkbox"/> Federally-owned B <input type="checkbox"/> Federally-leased C <input type="checkbox"/> Combined D <input type="checkbox"/> State E <input type="checkbox"/> Other									
24. OBJECTIVES 25. APPROACH (Use space needed for "24.OBJECTIVES", then indicate "25. APPROACH".)									

27. KEYWORDS

RECOMMENDED			APPROVED ——— Check applicable one ——— CONCURRED		
SIGNATURE	TITLE	DATE	SIGNATURE	TITLE	DATE
28. AWARD DATE (Day, Mo., Yr.)		29. START DATE (Day, Mo., Yr.)		30. TERMINATION (Day, Mo., Yr.)	
				DURATION (Months)	
FOR USDA USE				SIGNATURE	
<input type="checkbox"/> Project referred and cleared by all interested agencies for entry into CRIS.				DATE	

## RESEARCH WORK UNIT/PROJECT DESCRIPTION-CLASSIFICATION OF RESEARCH

U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATION  
AND OTHER INSTITUTIONS

1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.			3. WORK UNIT/PROJECT NO.	31. HATCH MARKETING
	2.	3.	4.		<input type="checkbox"/> Yes <input type="checkbox"/> No %
32. BASIC RESEARCH	33. APPLIED RESEARCH			34. DEVELOPMENT EFFORT	35. FORESTRY
%	%			%	%

## CLASSIFICATION BY ACTIVITY, COMMODITY, SCIENCE, AND RESEARCH PROBLEM AREA

ACTIVITY		COMMODITY		SCIENCE		RESEARCH PROBLEM AREA	PRODUCT OF (2) X (4) X (6)
CODE (1)	% (2)	CODE (3)	% (4)	CODE (5)	% (6)	CODE (7)	% (8)
36.							
37.							
38.							
39.							
40.							
41.							
42.							
43.							
44.							
45.							
46.							
47.							

## SPECIAL CLASSIFICATION

Fields 48-77 are used to identify special areas of research such as Pollution, Health and Medical, Tobacco-Health, Weather, Nuclear Radiation, Poverty, Natural Beauty, Sub-Commodities, Pesticide Targets, Water Resources, Energy, Home Economics, Sub-Activities (SEA/AR) and Special Research Programs (SEA/AR). Refer to your agency manual for specific codes and instructions.

CODE	%	CODE	%	CODE	%	CODE	%	CODE	%
48.		54.		60.		66.		72.	
49.		55.		61.		67.		73.	
50.		56.		62.		68.		74.	
51.		57.		63.		69.		75.	
52.		58.		64.		70.		76.	
53.		59.		65.		71.		77.	

## 79. COOPERATORS

A ☐ USDA    B ☐ Other Federal Agencies    C ☐ Industry and other    D ☐ State

## 83. REPORTING DEPARTMENT WITHIN STATE PERFORMING INSTITUTION

COOPERATING DEPARTMENTS WITHIN STATE  
PERFORMING INSTITUTION

80.

81.

82.

U.S. DEPARTMENT OF AGRICULTURE <b>RESEARCH WORK UNIT/PROJECT DESCRIPTION—RESEARCH FUNDS AND MANPOWER</b> U.S. DEPARTMENT OF AGRICULTURE USE ONLY				DATE (Day, mo., yr.)	
1 ACCESSION NO.	AGENCY IDENTIFICATION NO. <div style="display: flex; justify-content: space-between;"> <span>2</span> <span>3</span> <span>4</span> </div>			5 WORK UNIT/PROJECT NO.	22-23 REGIONAL PROJECT NO.
7 TITLE					

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION		FIELD NUMBER	FY ACTUAL \$
<b>FEDERAL RESEARCH FUNDS USDA APPROPRIATIONS</b>			
Regular, In House . . . . .		(101) . .	
Regular, Contracts, Grants, Agreements with AES . . . . .		(102) . .	
Regular, Contracts, Grants, Agreements with Others . . . . .		(103) . .	
Forest Service Research Contracts . . . . .		(106) . .	
Other USDA (Identify): _____		(107) . .	
<b>TOTAL</b>		<b>(131)</b> . .	
<b>OTHER FEDERAL RESEARCH FUNDS</b>			
Department of Energy . . . . .		(310) . .	
Agency for International Development . . . . .		(308) . .	
Department of Defense . . . . .		(311) . .	
National Institutes of Health . . . . .		(316) . .	
Public Health Service . . . . .		(312) . .	
Health and Human Services . . . . .		(313) . .	
National Aeronautics and Space Administration . . . . .		(314) . .	
Tennessee Valley Authority . . . . .		(315) . .	
Foreign Agricultural Research (PL 480) . . . . .		(117) . .	
Other Federal Funds (Identify): _____		(318) . .	
<b>TOTAL</b>		<b>(332)</b> . .	
<b>NON-FEDERAL RESEARCH FUNDS</b>			
Trust Funds, In House . . . . .		(120) . .	
Trust Funds, Contracts, Grants, Agreements with AES . . . . .		(121) . .	
Trust Funds, Contracts, Grants, Agreements with Others . . . . .		(122) . .	
Other Non-Federal Funds (Identify): _____		(123) . .	
<b>TOTAL</b>		<b>(133)</b> . .	
<b>TOTAL ALL RESEARCH FUNDS AT LOCATION</b>		<b>(134)</b> . .	
<b>STAFF SUPPORT</b>			<b>STAFF EFFORT—ACTUAL (years)</b>
<b>FEDERALLY EMPLOYED STAFF SUPPORT</b> (Report nearest 0.1)			
Scientists (GS-11 and above) . . . . .		(141) . .	
Professional Support . . . . .		(142) . .	
Technical Support . . . . .		(143) . .	
Clerical, Labor and Other . . . . .		(144) . .	
<b>TOTAL STAFF YEARS</b>		<b>(350)</b> . .	
SUBMITTED BY		TITLE	

**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**RESEARCH WORK UNIT/PROJECT DESCRIPTION – RESEARCH FUNDS AND STAFF SUPPORT**  
**FOR STATE AND OTHER NON-FEDERAL INSTITUTION USE**

DATE (Day, mo., year)

1. ACCESSION NO.	2. AGENCY IDENTIFICATION NO.	3.	4.	5. WORK UNIT/PROJECT NO.	REGIONAL PROJECT NO.	TYPE OR CONTRACT/GRANT/AGMT NO.
------------------	------------------------------	----	----	--------------------------	----------------------	---------------------------------

7. TITLE

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION <small>(Round to nearest whole dollar)</small>	FIELD NUMBER	FY ACTUAL \$
<b>FEDERAL RESEARCH FUNDS CSRS ADMINISTERED</b>		
Hatch Funds . . . . .	(201)	
Regional Research Funds . . . . .	(202)	
McIntire Stennis Funds . . . . .	(203)	
<b>Contracts, Grants, Cooperative Agreements for Research</b>		
• Special Grants • Competitive Grants • Cooperative Agreements . . .	(204)	
<b>Other Funds</b>		
• Animal Health Sec. 1433 • Evans-Allen • Other CSRS Administered . .	(205)	
<b>TOTAL</b> —————→	(231)	

<b>OTHER FEDERAL RESEARCH FUNDS</b>		
USDA Contracts Grants Co-op Agreements . . . . .	(219)	
National Science Foundation . . . . .	(209)	
Department of Energy . . . . .	(310)	
Agency for International Development . . . . .	(308)	
Department of Defense . . . . .	(311)	
National Institutes of Health . . . . .	(316)	
Public Health Service . . . . .	(312)	
Health and Human Services . . . . .	(313)	
National Aeronautics and Space Administration . . . . .	(314)	
Tennessee Valley Authority . . . . .	(315)	
Other Federal Funds (including CSRS Administered "Pass Through" Funds) . . .	(318)	
<b>TOTAL</b> —————→	(332)	

<b>NON-FEDERAL RESEARCH FUNDS</b>		
State Appropriations . . . . .	(220)	
<b>Self-Generated Funds</b> . . . . .	(221)	
Industry Grants and Agreements . . . . .	(222)	
Other Non-Federal Funds . . . . .	(223)	
<b>TOTAL</b> —————→	(233)	

**TOTAL ALL RESEARCH FUNDS AT LOCATION** —————→ (234)

<b>STAFF SUPPORT</b>		<b>STAFF EFFORT – ACTUAL (years)</b>
<b>NON-FEDERALLY EMPLOYED STAFF SUPPORT</b> <small>(Report nearest 0.1 Year)</small>		
Scientists (Assistant Professor and above) . . . . .	(241)	
Professional Support . . . . .	(242)	
Technical Support . . . . .	(243)	
Clerical, Labor, and Other . . . . .	(244)	
<b>TOTAL STAFF YEARS</b> —————→	(350)	

SUBMITTED BY (Signature)

TITLE

**CLASSIFICATION CODESHEET FOR REPORT  
OF AGRICULTURAL RESEARCH**

Commodity, Resource or Technology not  
Associated with Specific Commodities

Commodities or Resources

0100	Soil and land
0200	Water
0300	Watersheds and river basins
0400	Air and climate
0500	Recreation resources
0600	Trees, forests, and forest products [excluding edible tree nut crops (see 1015), and tung (see 2560)]
0700	Range
0800	Fish, shellfish, game and fur-bearing animals and other wildlife and their habitats
0900	Citrus and subtropical fruit
1000	Deciduous and small fruits and edible tree nuts
1100	Potatoes
1200	Vegetables
1300	Ornamentals and turf
1400	Corn (includes popcorn) - (for sweetcorn see 1280)
1500	Grain sorghum
1600	Rice
1700	Wheat
1800	Other small grains
1900	Pasture
2000	Forage crops
2100	Cotton (including cottonseed for planting purposes)
2200	Cottonseed (for meal, oil, etc.)
2300	Soybeans
2400	Peanuts
2500	Other oilseed and oil crops (excluding cottonseed)
2600	Tobacco
2700	Sugar crops
2800	Miscellaneous and new crops
2900	Poultry
3000	Beef cattle
3100	Dairy cattle
3200	Swine
3300	Sheep and wool
3400	Other animals (see 0850 for fur-bearing animals)
3500	Bees and honey and other pollinating insects
3600	General purpose supplies - includes: machinery, equipment, fertilizers, feedstuffs, and pesticides
3700	Clothing and textiles
3800	Food (not readily associated with specific plants and animal products)
3900	Structures and facilities



## Commodities or Resources

4000	People as individual workers, consumers and members of society
4100	The family and its members
4200	The farm as a business enterprise
4300	Communities, areas and regions, including countries and States and their institutions
4400	Agricultural economy of United States and sectors thereof, including interrelationships with the total economy
4500	Agricultural economy of foreign countries and sectors thereof, including interrelationships with the total economy
4600	Farmer cooperatives
4700	Marketing, processing and supply firms other than cooperatives
4800	Marketing systems and sectors thereof
6100	Weeds
6200	Seed research
6300	Biological cell systems
6400	Experimental design and statistical methods
6500	Invertebrates (including insects, mites, ticks, snails, slugs, and leeches)
6600	Microorganisms, viruses, etc.
6700	Plants
6800	Animals (vertebrates)
6900	Research on research management (not research management <u>per se</u> )
7000	Research equipment and technology (such as remote sensing)

## RESEARCH PROBLEM AREAS (RPA's)

### **GOAL I: INSURE A STABLE AND PRODUCTIVE AGRICULTURE FOR THE FUTURE THROUGH WISE MANAGEMENT OF NATURAL RESOURCES**

- 101 Appraisal of Soil Resources
- 102 Soil, Plant, Water, Nutrient Relationships
- 103 Management of Saline and Sodic Soils and Salinity
- 104 Alternative Uses of Land
- 105 Conservation and Efficient Use of Water
- 106 Efficient Drainage and Irrigation Systems and Facilities
- 107 Watershed Protection and Management
- 108 Economic and Legal Problems in Management of Water  
and Watersheds
- 109 Adaptation to Weather and Weather Modification
- 110 Appraisal of Forest and Range Resources
  
- 111 Biology, Culture and Management of Forests and Timber-  
Related Crops
- 112 Improvement of Range Resources
- 113 Remote Sensing
- 114 Research on Management of Research

### **GOAL II: PROJECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS, DISEASES AND OTHER HAZARDS**

- 201 Control of Insects Affecting Forests
- 202 Control of Diseases, Parasites and Nematodes Affecting  
Forests
- 203 Prevention and Control of Forest and Range Fires
- 204 Control of Insects, Mites, Slugs and Snails on Fruit  
and Vegetable Crops
- 205 Control of Diseases and Nematodes of Fruit and Vegetable  
Crops
- 206 Control of Weeds and Other Hazards to Fruit and  
Vegetable Crops
- 207 Control of Insects, Mites, Snails and Slugs Affecting  
Field Crops and Range
- 208 Control of Diseases and Nematodes of Field Crops and Range
- 209 Control of Weeds and Other Hazards of Field Crops and Range
- 210 Control of Insects and External Parasites Affecting Live-  
stock, Poultry and Other Animals

**GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS,  
DISEASES AND OTHER HAZARDS (Continued)**

- 211 Control of Diseases of Livestock, Poultry and other Animals
- 212 Control of Internal Parasites of Livestock, Poultry and  
Other Animals
- 213 Protect Livestock, Poultry and Other Animals from Toxic  
Chemicals, Poisonous Plants, and Other Hazards
- 214 Protection of Plants, Animals and Man from Harmful Effects  
of Pollution

**GOAL III: PRODUCE AN ADEQUATE SUPPLY OF FARM AND FOREST  
PRODUCTS AT DECREASING REAL PRODUCTION COSTS**

- 301 Genetics and Breeding of Forest Trees
- 302 New and Improved Forest Engineering Systems
- 303 Economics of Timber Production
- 304 Improvement of Biological Efficiency of Fruit and Vegetable  
Crops
- 305 Mechanization of Fruit and Vegetable Crop Production
- 306 Production Management Systems for Fruits and Vegetables
- 307 Improvement of Biological Efficiency of Field Crops
- 308 Mechanization of Production of Field Crops
- 309 Production Management Systems for Field Crops
- 310 Reproductive Performance of Livestock, Poultry  
and Other Animals
- 311 Improvement of Biological Efficiency in Production  
of Livestock, Poultry and Other Animals
- 312 Environmental Stress in Production of Livestock, Poultry  
and Other Animals
- 313 Production Management Systems for Livestock, Poultry and  
Other Animals
- 314 Bees and Other Pollinating Insects
- 315 Improvement of Structures, Facilities and General Purpose  
Farm Supplies and Equipment
- 316 Farm Business Management
- 317 Mechanization and Structures Used in Production of  
Livestock, Poultry and Other Animals
- 318 Non-Commodity-Oriented Biological Technology and Biometry

**GOAL IV: EXPAND THE DEMAND FOR FARM AND FOREST PRODUCTS BY  
DEVELOPING NEW AND IMPROVED PRODUCTS AND PROCESSES  
AND ENHANCING PRODUCT QUALITY**

- 401 New and Improved Forest Products
- 402 Production of Fruit and Vegetable Crops with Improved Acceptability
- 403 New and Improved Fruit and Vegetable Products and Byproducts
- 404 Quality Maintenance in Storing and Marketing Fruits and Vegetables
- 405 Production of Field Crops with Improved Acceptability
- 406 New and Improved Food Products from Field Crops
- 407 New and Improved Feed, Textile and Industrial Products from Field Crops
- 408 Quality Maintenance in Storing and Marketing Field Crops
- 409 Production of Animal Products with Improved Acceptability
- 410 New and Improved Meat, Milk, Eggs and Other Animal Food Products
- 411 New and Improved Non-Food Animal Products
- 412 Quality Maintenance in Marketing Animal Products

**GOAL V: IMPROVE EFFICIENCY IN THE MARKETING SYSTEM**

- 501 Improvement of Grades and Standards--Crop and Animal Products
- 502 Development of Markets and Efficient Marketing of Timber and Related Products
- 503 Efficiency in Marketing Agricultural Products and Production Inputs
- 506 Supply, Demand and Price Analysis--Crop and Animal Products
- 507 Competitive Interrelationships in Agriculture
- 508 Development of Domestic Markets for Farm Products
- 509 Performance of Marketing Systems
- 510 Group Action and Market Power
- 511 Improvement in Agricultural Statistics
- 512 Improvement of Grades and Standard of Forest Products
- 513 Supply, Demand and Price Analysis - Forest Products

**GOAL VI: EXPAND EXPORT MARKETS AND ASSIST DEVELOPING NATIONS**

- 601 Foreign Market Development
- 602 Evaluation of Foreign Food Aid Programs
- 603 Technical Assistance to Developing Countries
- 604 Product Development and Marketing for Foreign Markets

**GOAL VII: PROTECT CONSUMER HEALTH AND IMPROVE NUTRITION AND WELL-BEING OF THE AMERICAN PEOPLE**

- 701 Insure Food Products Free of Toxic Contaminants Including Residues from Agricultural Sources
- 702 Protect Food and Feed Supplies from Harmful Microorganisms and Naturally Occurring Toxins
- 703 Food Choices, Habits and Consumption
- 704 Home and Commercial Food Service
- 705 Selection and Care of Clothing and Household Textiles
- 706 Control of Insect Pests of Man and His Belongings
- 707 Prevent Transmission of Animal Diseases and Parasites to Man
- 708 Human Nutrition
- 709 Reduction of Hazards to Health and Safety

**GOAL VIII: ASSIST RURAL AMERICANS TO IMPROVE THEIR LEVEL OF LIVING**

- 801 Housing
- 802 Individual and Family Decision Making and Resource Use and Family Functioning
- 803 Causes of Poverty Among Rural People
- 804 Improvement of Economic Potential of Rural People
- 805 Communication and Education Processes
- 806 Individual and Family Adjustment to Change
- 807 Structural Changes in Agriculture
- 808 Government Programs to Balance Farm Output and Market Demand

**GOAL IX: PROMOTE COMMUNITY IMPROVEMENT INCLUDING DEVELOPMENT OF BEAUTY, RECREATION, ENVIRONMENT, ECONOMIC OPPORTUNITY, AND PUBLIC SERVICES**

- 901 Alleviation of Soil, Water and Air Pollution and Disposal of Wastes
- 902 Outdoor Recreation
- 903 Multiple Use Potential of Forest Land and Evaluation of Forestry Programs
- 904 Fish and Other Marine Life, Fur-Bearing Animals and Other Wildlife
- 905 Trees to Enhance Rural and Urban Environment
- 906 Culture and Protection of Ornamentals and Turf
- 907 Improved Income Opportunities in Rural Communities
- 908 Improvement of Rural Community Institutions and Services

## **RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)**

### **RPG 1.00 ANIMAL RESOURCES**

- RP 1.01 Soil and Land Use
- RP 1.02 Water and Watersheds
- RP 1.03 Recreation
- RP 1.04 Environmental Quality
- RP 1.05 Weather Modification for Agriculture and Forestry
- RP 1.06 Fish and Wildlife
- RP 1.07 Remote Sensing
- RP 1.08 Aquatic Weeds
- RP 1.09 Natural Resources - General

### **RPG 2.00 FOREST RESOURCES**

- RP 2.01 Inventory and Appraisal of Forest Resources
- RP 2.02 Timber Management
- RP 2.03 Forest Protection
- RP 2.04 Harvesting, Processing and Marketing Forest Products
- RP 2.05 Forest Watersheds, Soils, Pollution
- RP 2.06 Forest Range Wildlife and Fisheries Habitat Development
- RP 2.07 Forest Recreation and Aesthetics and other Landscape Values
- RP 2.08 Alternative Uses of Land
- RP 2.09 Technical Assistance
- RP 2.10 Trees, Forests and Forest Products - General
- RP 2.11 Forest and Range Resources

### **RPG 3.00 CROPS (Field and Horticultural)**

- RP 3.01 Corn
- RP 3.02 Grain Sorghum
- RP 3.03 Wheat
- RP 3.04 Small Grains other than Wheat
- RP 3.05 Rice
- RP 3.06 Soybeans
- RP 3.07 Peanuts
- RP 3.08 Sugar
- RP 3.09 Forage, Range, and Pasture
- RP 3.10 Cotton
- RP 3.11 Tobacco
- RP 3.12 New Crops and Minor Oilseeds
- RP 3.13 Fruit
- RP 3.14 Vegetable Crops
- RP 3.15 Plants to Enhance the Environment
- RP 3.16 Bees and other Pollinating Insects
- RP 3.17 Weeds in Crops
- RP 3.18 Seeds
- RP 3.19 Nonspecific - Plants

## **RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)**

### **RPG 4.00 ANIMALS**

- RP 4.01 Beef
- RP 4.02 Dairy
- RP 4.03 Poultry
- RP 4.04 Sheep
- RP 4.05 Swine
- RP 4.06 Other Animals (Horses, Goats, Pets, Laboratory, etc.)
- RP 4.07 Aquatic Food and Feedstuffs
- RP 4.08 Nonspecific - Animals
- RP 4.09 Invertebrates

### **RPG 5.00 PEOPLE, COMMUNITIES, AND INSTITUTIONS INCLUDING RURAL DEVELOPMENT**

- RP 5.01 Individuals and Families
- RP 5.02 Living Environment
- RP 5.03 Communities, Institutions and Services
- RP 5.04 Insects Affecting Man and his Belongings
- RP 5.05 Research on Administration of Research

### **RPG 6.00 COMPETITION, TRADE, ADJUSTMENT, PRICE AND INCOME POLICY**

- RP 6.01 Farm Adjustment, Prices and Income
- RP 6.02 Foreign Agricultural Trade and Economic Development
- RP 6.03 Marketing and Competition

### **RPG 7.00 GENERAL RESOURCE OR TECHNOLOGY**

- RP 7.01 Man-made Resources
- RP 7.02 Technology not Associated with Specific Commodities,  
Resources of RPGs

### **RPG 8.00 FOOD SCIENCE AND HUMAN NUTRITION**

- RP 8.01 Human Nutrition
- RP 8.02 Food Processing
- RP 8.03 Food Safety
- RP 8.04 Food Storage, Distribution and Marketing
- RP 8.05 Food Service

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY -

NATIONAL TOTAL USOA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1391	504.7	44,404,429	110,092,545	*	*
0200 WATER	1002	331.1	34,906,542	73,820,770	*	*
0300 WATERSHEDS RIVER BAS	333	132.6	19,918,634	30,496,670	*	*
0400 AIR AND CLIMATE	128	42.3	1,880,578	9,227,883	*	*
0500 RECREATION RESOURCES	159	63.2	3,921,060	10,957,309	*	*
0600 TIMBER FORST PROOUCT	2036	1139.0	143,999,094	248,045,336	*	*
0700 RANGE	407	181.1	18,777,170	36,459,231	*	*
0800 WILDLIFE AND FISH	907	342.5	29,543,776	91,718,028	*	*
0900 CITRUS SUB TROP FRUT	401	205.7	19,948,504	41,634,007	*	*
1000 FRUIT NUTS DECIDUOUS	1122	446.5	38,368,611	97,689,010	*	*
1100 POTATOES	447	146.3	14,622,435	30,862,691	*	*
1200 VEGETABLES	1568	586.2	44,400,312	122,771,480	*	*
1300 ORNAMENTALS TURF	632	234.5	12,338,253	48,376,485	*	*
1400 CORN	1136	360.6	37,431,439	77,765,842	*	*
1500 GRAIN SORGHUM	324	76.2	4,332,439	15,968,842	*	*
1600 RICE	188	68.6	4,679,484	17,757,818	*	*
1700 WHEAT	919	337.2	30,266,776	66,289,749	*	*
1800 OTHER SMALL GRAINS	448	116.3	10,145,052	25,415,739	*	*
1900 PASTURE	160	42.3	4,701,107	8,673,905	*	*
2000 FORAGE CROPS	918	299.0	26,615,440	63,545,660	*	*
2100 COTTON	488	289.2	39,543,291	58,817,803	*	*
2200 COTTONSEED	29	18.6	3,038,335	3,244,343	*	*
2300 SOYBEANS	1060	362.6	37,048,906	74,954,866	*	*
2400 PEANUTS	201	76.8	6,921,795	16,087,729	*	*
2500 OTHER OILSEED CROPS	181	58.7	6,718,587	12,785,860	*	*
2600 TOBACCO	191	89.3	7,556,844	18,141,012	*	*
2700 SUGAR CROPS	163	84.3	11,444,889	18,839,520	*	*
2800 MISC NEW CROPS	232	58.1	8,468,865	16,685,238	*	*
2900 POULTRY	871	364.3	34,144,334	87,115,472	*	*
3000 BEEF CATTLE	1565	626.3	53,992,505	168,564,806	*	*
3100 DAIRY CATTLE	1347	477.2	44,037,035	130,288,115	*	*
3200 SWINE	892	303.7	37,546,042	86,787,455	*	*
3300 SHEEP AND WOOL	464	142.9	13,977,049	38,215,392	*	*
3400 OTHER ANIMALS	636	211.8	9,338,891	52,043,507	*	*
3500 BEES AND HONEY	69	41.9	4,596,504	7,365,863	*	*
3600 FARM SUPP & FACILITS	95	35.8	1,596,561	6,453,870	*	*
3700 CLOTHING & TEXTILES	96	22.2	959,938	3,301,913	*	*
3800 FOOD	492	223.7	18,579,795	48,249,498	*	*
3900 HOUSING & EQUIP	154	52.7	3,203,084	10,055,836	*	*
4000 PEOPLE AS INDIVIDUALS	720	262.0	52,825,302	72,186,295	*	*
4100 FAMILY MEMBERS	287	82.4	3,682,859	13,562,458	*	*
4200 FARM AS BUSINESS	211	76.3	3,200,286	10,891,695	*	*
4300 SOC POLIT ORGANIZ	354	123.9	6,196,820	21,102,989	*	*
4400 AGRIC ECONOMY U S	197	133.2	12,427,699	22,861,471	*	*
4500 AGRIC ECONOMY FORGN	86	134.0	11,484,338	20,409,966	*	*
4600 FARM COOPERATIVES	34	19.8	1,690,631	2,468,022	*	*
4700 OTH MARKET PROCESS	23	4.5	186,668	769,184	*	*
4800 MARKETING SYSTEMS	74	41.2	4,153,704	6,664,949	*	*
6100 WEEOS	205	66.7	7,437,873	13,555,125	*	*
6200 SEED RESEARCH	74	26.5	904,664	6,181,166	*	*
6300 BIO CELL SYSTEMS	307	116.1	4,567,664	30,933,627	*	*
6400 EXP DESIGN/STAT METHOO	103	36.1	408,339	7,007,449	*	*
6500 INVERTEBRATES	603	217.8	18,890,997	43,998,423	*	*
6600 MICROORGANISMS VIRUSES	681	194.3	14,522,363	48,934,871	*	*
6700 PLANTS	1184	393.7	39,945,285	93,052,983	*	*
6800 ANIMALS(VERTEBRATES)	568	273.3	8,247,285	70,747,984	*	*
6900 RESEARCH ON RSCH MGMT	43	13.6	1,948,785	9,206,983	*	*
7000 RSCH EQUIP & TECHNOLOGY	165	54.2	4,149,865	14,007,882	*	*
9900 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	*	*
TOTAL		11466.7	1,088,969,411	2,598,294,217	*	*



TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL USDA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
101 APPRAIS OF SOIL RESDR	242	85.2	3,755,943	17,569,242	*	*
102 SOIL PLNT WTR NUTRI	1034	439.8	41,118,259	92,063,140	*	*
103 MGMT OF SALINE SDLS	90	32.9	3,073,974	8,239,554	*	*
104 ALTERN USE OF LAND	159	59.8	5,056,508	9,855,932	*	*
105 CONSERV USE OF WATER	435	157.9	15,070,738	33,216,358	*	*
106 DRAIN AND IRRIGATION	146	55.6	4,688,688	12,350,189	*	*
107 WATERSHED PRDT & MGMT	355	186.9	29,252,459	41,549,446	*	*
108 ECDN LEG PRDB OF WAT	68	25.7	1,230,553	3,930,474	*	*
109 WEATHER ADAPT & MOD	187	55.1	2,806,560	11,774,770	*	*
110 APPRAIS FORST & RANGS	190	89.6	16,438,336	24,823,265	*	*
111 BIDL CULT MGMT FORSTS	563	313.7	31,318,817	60,022,757	*	*
112 IMPRDY RANGE RESDR	253	102.0	10,088,676	19,907,777	*	*
113 REMOTE SENSING	101	38.3	4,104,069	8,674,220	*	*
114 RSCH DN MGMT OF RSCH	42	13.6	1,948,522	9,202,970	*	*
SUBTOTAL		1656.2	170,212,102	353,180,093	*	*
SERIES 200						
201 CNTRL FORST INSECTS	250	120.0	19,539,952	26,489,539	*	*
202 CONTROL FOREST DIS	189	81.9	11,387,171	18,125,157	*	*
203 FOREST FIRE PROTECT	41	36.2	6,858,781	7,647,436	*	*
204 CNTR PESTS FRT & VEGS	649	227.6	23,303,786	49,581,403	*	*
205 CNTR DISE FRT & VEG	935	335.5	23,127,956	64,884,231	*	*
206 CNTR WEEDS FRT & VEG	203	48.1	3,537,799	10,127,130	*	*
207 CNTR PESTS FLD CROPS	795	351.7	37,809,957	67,156,681	*	*
208 CNTR DIS FIELD CROPS	895	349.9	27,715,217	65,739,401	*	*
209 CNTR WEEDS FLD CROPS	445	188.7	18,255,381	39,036,848	*	*
210 CNTR PESTS ANIMALS	210	91.6	10,669,891	18,327,534	*	*
211 CNTR DIS ANIMALS	1487	738.1	58,268,224	182,652,324	*	*
212 CNTR INTER PARASITES	145	58.4	7,769,166	13,164,973	*	*
213 PRDT ANMLS FROM TOXINS	155	117.8	6,168,258	27,172,443	*	*
214 PROTECT FROM POLLUTION	268	94.4	11,959,945	28,500,507	*	*
SUBTOTAL		2839.8	266,371,486	618,605,607	*	*
SERIES 300						
301 GENET BREED FORST TRE	150	82.4	7,229,361	18,034,650	*	*
302 IMP FOREST ENG SYS	63	37.3	4,217,659	6,966,649	*	*
303 ECDN TIMBER PRODDUCTN	94	36.2	2,944,012	6,711,171	*	*
304 IMP BID EFF FRT & VEGS	1127	412.6	32,301,027	94,056,339	*	*
305 MECH PRDD FRT & VEGS	86	22.1	1,256,930	4,758,439	*	*
306 PRDD MGMT SYS F & V	140	34.3	2,396,595	7,726,547	*	*
307 IMP BID EFF FLD CRP	1697	763.1	69,987,597	175,634,910	*	*
308 MECH PRDD FIELD CROPS	104	40.9	3,180,888	8,589,352	*	*
309 PRDD MGMT SYS FLD CRP	429	127.4	9,040,198	25,483,485	*	*
310 ANIMAL REPRODUCTION	662	242.4	23,128,205	75,725,379	*	*
311 IMP BID EFF ANML PR	1307	556.7	45,296,262	177,799,389	*	*
312 ENV STRESS IN ANML PR	196	69.3	3,864,791	15,594,095	*	*
313 PRDD MGMT SYS ANML PR	278	62.7	3,848,141	18,532,198	*	*
314 BEES DTH POLLNTNG INS	69	41.9	4,596,504	7,365,863	*	*
315 IMP STRUC FARM SUPP	92	37.6	1,023,835	6,841,032	*	*
316 FARM BUSINESS MGMT	158	53.9	1,940,496	7,520,540	*	*
317 MECH/STRUCTS ANML PRD	22	6.6	99,017	1,214,285	*	*
318 NDN COM BID TECH/BIMET	1736	843.8	46,871,646	162,065,899	*	*
SUBTOTAL		3271.3	263,223,164	820,620,221	*	*
SERIES 400						
401 NEW IMP FOREST PRDD	375	198.1	25,427,280	48,775,608	*	*
402 PRDD F & V IMP ACCEPT	334	82.7	7,224,930	17,840,122	*	*
403 NEW & IMP F & V PRDD	184	77.6	4,489,399	14,376,055	*	*
404 MKT QUAL FRTS & VEGS	281	149.7	16,278,062	27,547,940	*	*
405 PRDD FLD CRDP IMP ACPT	384	159.3	16,968,146	37,881,597	*	*
406 NEW IMP FDDD FLD CRDP	182	78.8	9,935,616	18,213,560	*	*
407 NEW IMP NON FDDD FC	166	115.2	20,277,548	25,303,358	*	*
408 MKT QUAL FIELD CROPS	134	77.7	8,966,205	13,461,868	*	*
409 PRDD ANML PR IMP ACCP	179	70.3	5,226,307	18,658,040	*	*
410 IMP MEAT MILK EGG PR	262	111.9	7,610,746	23,138,395	*	*
411 IMP NDN FDDD ANML PR	30	16.9	3,200,094	3,843,787	*	*
412 MKT QUAL ANIMAL PRDD	100	35.3	3,228,899	7,903,950	*	*
SUBTOTAL		1173.6	129,033,232	256,944,277	*	*
SERIES 500						
501 IMP GRADES & STANDS	73	27.8	4,268,363	6,119,058	*	*
502 MKTG TIMBER PRODDUCTS	41	11.4	783,278	1,857,828	*	*
503 MKTG EFF AGRI PRDDS	163	56.4	4,344,786	9,318,995	*	*
506 SPLY DEMAND AND PRIC	229	130.7	13,230,955	21,678,858	*	*
507 CDMPL REL IN AGRIC	59	21.7	1,900,649	3,538,155	*	*
508 DOMESTIC MKT DEVELP	66	20.7	3,078,411	4,685,408	*	*
509 PERFORMANCE MKTG SYS	157	86.5	9,072,328	13,944,363	*	*
510 GROUP ACT MKT PDWER	23	10.1	925,235	1,456,293	*	*
511 IMP AGRIC STATISTICS	42	8.0	2,777,709	2,717,642	*	*
512 IMP GRADES FRST PRDD	17	10.3	1,049,643	1,718,051	*	*
513 PRICE ANAL FRST PRDD	32	21.6	3,172,285	3,968,953	*	*
SUBTOTAL		405.6	42,103,640	71,001,605	*	*
SERIES 600						
601 FGN MKT DEVELP	172	167.4	15,874,741	26,840,438	*	*
602 EVAL FGN FDDD AID PGM	6	8.7	347,119	633,981	*	*
603 TECH AID DEV CRTY	50	31.7	439,612	12,031,868	*	*
604 PRD DVLPMT/MKTG FRGN	40	12.7	1,326,176	2,633,712	*	*
SUBTOTAL		220.6	17,987,649	42,139,999	*	*
SERIES 700						
701 TOX RES IN FDDD	175	70.7	10,412,808	16,190,829	*	*
702 FDDD PRDT FROM TOX	234	136.0	19,405,743	30,684,018	*	*
703 FDDD CONSUMP HABITS	156	51.2	3,879,937	9,508,921	*	*
704 HOME COMM FDDD SERV	26	7.3	301,217	1,108,854	*	*
705 SEL CARE CLOTH & TEXTL	84	17.5	801,185	2,637,835	*	*
706 CNTR INSECTS AFF MAN	129	58.9	4,505,749	11,952,245	*	*
707 TRANS ANML MAN DIS	38	8.6	276,770	3,005,216	*	*
708 HUMAN NUTRITION	507	215.2	54,878,446	73,622,304	*	*
709 REDUCE HAZ HLTH & SFTY	96	33.8	3,832,741	6,809,099	*	*
SUBTOTAL		599.2	98,294,596	155,519,320	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL USOA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 800						
801 RURAL HOUSING	61	18.2	1,672,131	3,305,054	*	*
802 INDIV & FAM DEC MAKING	216	60.0	1,701,847	8,254,344	*	*
803 RURAL POVERTY	22	4.2	140,054	678,363	*	*
804 ECON POTENT RURL PEO	103	31.4	2,667,774	4,271,261	*	*
805 COMMUNICAT EDUC PROC	138	47.7	1,603,305	7,369,800	*	*
806 ADJUSTMENT TO CHANGE	189	57.3	2,368,857	9,076,419	*	*
807 AGRIC ECONOMIC CHANGE	176	97.3	7,335,623	14,272,287	*	*
808 GOVT PROGRAMS	60	31.5	2,930,682	5,954,401	*	*
SUBTOTAL		347.7	20,420,272	53,181,929	*	*
SERIES 900						
901 ALLEY POLLUTION	666	246.0	27,349,945	65,237,562	*	*
902 OUTDOOR RECREATION	150	62.2	3,468,599	10,389,438	*	*
903 MULTI USE FOREST POTEN	131	41.2	2,905,927	8,333,354	*	*
904 WLOLFE AND FISH ECOL	771	294.5	24,771,785	77,370,212	*	*
905 TREES BEAUTIFICATION	115	28.5	4,441,666	7,862,315	*	*
906 ORNAMENT & TURF DEV	576	205.1	9,966,287	41,702,083	*	*
907 RURAL INCOME IMP	119	35.8	1,451,000	5,496,516	*	*
908 RURAL INSTITUT IMP	143	38.5	2,784,503	6,526,089	*	*
990 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	*	*
SUBTOTAL		952.7	81,323,270	227,101,166	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		11466.7	1,088,969,411	2,598,294,217	*	*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1330	487.2	43,501,462	107,080,618	*		*
0200 WATER	977	319.4	34,384,377	71,450,216	*		*
0300 WATERSHEDS RIVER BAS	291	120.1	19,657,746	27,252,370	*		*
0400 AIR AND CLIMATE	117	36.8	1,862,563	7,882,634	*		*
0500 RECREATION RESOURCES	118	50.0	3,829,661	9,133,329	*		*
0600 TIMBER FORST PRODUCT	1588	959.0	139,618,989	212,604,759	*		*
0700 RANGE	398	176.7	18,624,733	35,905,442	*		*
0800 WILDLIFE AND FISH	774	298.6	23,367,551	80,704,545	*		*
0900 CITRUS SUB TROP FRUIT	397	204.6	19,742,940	41,428,444	*		*
1000 FRUIT NUTS DECIDUOUS	1111	440.4	37,763,333	97,085,514	*		*
1100 POTATOES	445	145.9	14,573,095	30,812,465	*		*
1200 VEGETABLES	1539	586.7	41,893,043	120,158,309	*		*
1300 ORNAMENTALS TURF	624	232.1	11,831,822	47,842,804	*		*
1400 CORN	1120	357.9	38,476,875	76,442,482	*		*
1500 GRAIN SORGHUM	319	75.8	4,245,334	15,879,480	*		*
1600 RICE	188	68.6	4,679,484	17,757,818	*		*
1700 WHEAT	912	337.1	30,174,448	66,171,876	*		*
1800 OTHER SMALL GRAINS	442	115.6	10,008,416	25,130,413	*		*
1900 PASTURE	160	42.3	4,701,107	8,673,905	*		*
2000 FORAGE CROPS	908	295.6	26,106,704	62,993,941	*		*
2100 COTTON	486	289.1	39,537,176	58,803,973	*		*
2200 COTTONSEED	29	18.6	3,038,335	3,244,343	*		*
2300 SOYBEANS	1035	345.4	34,872,654	72,418,119	*		*
2400 PEANUTS	198	74.1	6,795,656	15,881,903	*		*
2500 OTHER OILSEED CROPS	178	57.2	6,556,307	12,503,838	*		*
2600 TOBACCO	190	89.2	7,506,966	18,091,134	*		*
2700 SUGAR CROPS	163	84.3	11,444,889	18,839,520	*		*
2800 MISC NEW CROPS	230	57.5	8,392,974	16,606,711	*		*
2900 POULTRY	760	327.4	32,513,721	78,724,412	*		*
3000 BEEF CATTLE	1400	530.2	52,263,290	148,778,018	*		*
3100 DAIRY CATTLE	1185	422.8	43,562,131	116,480,495	*		*
3200 SWINE	728	254.0	35,957,096	76,352,020	*		*
3300 SHEEP AND WOOL	419	118.0	13,753,217	32,571,074	*		*
3400 OTHER ANIMALS	313	83.6	5,315,720	22,873,989	*		*
3500 BEES AND HONEY	68	40.9	4,467,004	7,236,363	*		*
3600 FARM SUPP & FACILITS	93	35.4	1,563,921	6,345,276	*		*
3700 CLOTHING & TEXTILES	83	19.0	383,618	2,717,630	*		*
3800 FOOD	475	217.2	17,542,511	47,210,017	*		*
3900 HOUSING & EQUIP	140	49.9	2,918,515	9,498,430	*		*
4000 PEOPLE AS INDIVIDUALS	666	240.7	50,159,190	67,546,586	*		*
4100 FAMILY MEMBERS	274	79.0	3,278,429	13,061,904	*		*
4200 FARM AS BUSINESS	203	73.8	2,876,066	10,539,390	*		*
4300 SOC POLIT ORGANIZ	332	116.1	5,143,384	19,738,187	*		*
4400 AGRIC ECONOMY U S	194	133.0	11,965,090	22,392,544	*		*
4500 AGRIC ECONOMY FORGN	85	134.0	11,047,703	19,973,332	*		*
4600 FARM COOPERATIVES	34	19.8	1,690,631	2,468,022	*		*
4700 OTH MARKET PROCESS	22	4.3	131,782	714,298	*		*
4800 MARKETING SYSTEMS	69	39.5	3,894,870	6,381,167	*		*
6100 WEEDS	204	66.7	7,419,899	13,537,151	*		*
6200 SEED RESEARCH	74	26.5	904,664	6,181,186	*		*
6300 BID CELL SYSTEMS	290	108.9	4,256,931	29,536,036	*		*
6400 EXP DESIGN/STAT METHOD	101	35.8	392,059	6,864,964	*		*
6500 INVERTEBRATES	565	208.0	17,481,448	41,934,534	*		*
6600 MICROORGANISMS VIRUSES	619	179.1	12,872,052	45,739,937	*		*
6700 PLANTS	1123	380.3	37,216,015	89,431,453	*		*
6800 ANIMALS(VERTEBRATES)	410	142.1	7,207,996	38,695,250	*		*
6900 RESEARCH ON RSCH MGMT	40	11.9	1,850,814	9,020,326	*		*
7000 RSCH EQUIP & TECHNOLOGY	143	46.7	3,546,816	12,274,231	*		*
9900 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	*		*
TOTAL		10490.9	1,042,748,817	2,387,742,661	*		*

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
SERIES 100							
101 APPRAIS OF SOIL RESOR	233	81.9	3,666,700	17,144,685	*		*
102 SOIL PLNT WTR NUTRI	984	423.4	40,122,987	88,800,290	*		*
103 MGMT OF SALINE SOILS	88	32.4	2,949,267	8,055,924	*		*
104 ALTERN USE OF LAND	150	59.2	5,000,441	9,707,271	*		*
105 CONSERV USE OF WATER	427	153.5	14,824,725	32,850,649	*		*
106 DRAIN AND IRRIGATION	145	55.5	4,675,267	12,336,768	*		*
107 WATERSHED PROT & MGMT	322	180.6	29,171,038	39,636,850	*		*
108 ECON LEG PROB OF WAT	67	25.6	1,290,553	3,921,968	*		*
109 WEATHER ADAPT & MOO	175	52.3	2,698,133	11,229,725	*		*
110 APPRAIS FORST & RANGS	143	80.4	16,104,806	22,908,148	*		*
111 BIOL CULT MGMT FORSTS	445	257.5	30,128,076	49,176,580	*		*
112 IMPROV RANGE RESOR	246	98.4	10,010,869	19,467,855	*		*
113 REMOTE SENSING	84	34.2	4,101,601	8,127,222	*		*
114 RSCH ON MGMT OF RSCH	39	11.9	1,850,551	3,016,313	*		*
SUBTOTAL		1546.8	166,595,016	332,378,258	*		*
SERIES 200							
201 CNTRL FORST INSECTS	225	117.6	19,350,588	25,739,250	*		*
202 CONTROL FOREST OIS	166	76.3	11,102,653	17,396,553	*		*
203 FOREST FIRE PROTECT	37	35.8	6,855,781	7,591,245	*		*
204 CNTR PESTS FRT & VEGS	643	225.6	22,998,269	49,261,736	*		*
205 CNTR OISE FRT & VEG	928	332.5	22,883,020	64,626,838	*		*
206 CNTR WEEDS FRT & VEG	199	46.9	3,378,313	9,967,644	*		*
207 CNTR PESTS FLO CROPS	786	342.5	36,994,047	68,291,940	*		*
208 CNTR OIS FELD CROPS	892	348.7	27,606,030	65,613,190	*		*
209 CNTR WEEDS FLO CROPS	443	188.7	18,230,767	39,008,533	*		*
210 CNTR PESTS ANIMALS	205	90.4	10,654,990	18,201,635	*		*
211 CNTR OIS ANIMALS	894	408.1	56,317,283	113,347,134	*		*
212 CNTR INTER PARASITES	115	52.9	7,750,795	11,780,819	*		*
213 PROT ANMLS FROM TOXINS	106	61.7	6,029,802	12,121,238	*		*
214 PROTECT FROM POLLUTION	230	76.9	11,592,842	23,020,652	*		*
SUBTOTAL		2404.6	261,745,179	523,968,407	*		*
SERIES 300							
301 GENET BREEO FORST TRE	120	62.2	6,737,519	13,503,173	*		*
302 IMP FOREST ENG SYS	43	30.1	4,091,976	5,567,069	*		*
303 ECON TIMBER PRODUCTN	78	31.3	2,814,964	6,015,278	*		*
304 IMP BIO EFF FRT & VEGS	1103	396.9	30,253,107	91,907,198	*		*
305 MECH PROD FRT & VEGS	86	22.1	1,256,930	4,758,439	*		*
306 PROD MGMT SYS F & V	136	33.2	2,200,469	7,523,465	*		*
307 IMP BIO EFF FLO CRP	1658	748.6	67,184,918	172,139,735	*		*
308 MECH PROD FELD CROPS	104	40.9	3,180,888	8,589,352	*		*
309 PROD MGMT SYS FLO CRP	427	125.2	8,755,733	25,196,822	*		*
310 ANIMAL REPRODUCTION	580	211.5	20,388,095	66,417,297	*		*
311 IMP BIO EFF ANML PR	1183	506.6	41,365,214	163,227,705	*		*
312 ENV STRESS IN ANML PR	176	55.8	3,785,646	13,435,540	*		*
313 PROD MGMT SYS ANML PR	273	61.4	3,716,736	18,122,498	*		*
314 BEES OTH POLLNTNG INS	68	40.9	4,467,004	7,236,363	*		*
315 IMP STRUC FARM SUPP	91	37.3	991,195	6,807,506	*		*
316 FARM BUSINESS MGMT	153	52.0	1,716,898	7,282,717	*		*
317 MECH/STRUCTS ANML PRO	22	6.6	99,017	1,214,285	*		*
318 NON COM BIO TECH/BIMET	1582	593.9	40,880,347	151,079,755	*		*
SUBTOTAL		3056.6	243,886,656	770,024,198	*		*
SERIES 400							
401 NEW IMP FOREST PROD	271	147.1	24,458,569	39,094,163	*		*
402 PROD F & V IMP ACCEPT	332	82.4	7,182,623	17,797,814	*		*
403 NEW & IMP F & V PROD	181	76.9	4,404,847	14,280,617	*		*
404 MKT QUAL FRTS & VEGS	279	149.4	16,226,952	27,486,830	*		*
405 PROD FLO CROP IMP ACPT	381	158.8	16,895,249	37,808,700	*		*
406 NEW IMP FOOD FLO CROP	177	77.1	9,626,933	17,895,419	*		*
407 NEW IMP NON FOOD FC	163	114.8	20,150,422	25,056,497	*		*
408 MKT QUAL FELD CROPS	132	76.6	8,724,918	13,219,837	*		*
409 PROD ANML PR IMP ACCP	171	69.2	5,103,555	18,428,437	*		*
410 IMP MEAT MILK EGG PR	258	109.5	7,412,426	22,737,949	*		*
411 IMP NON FOOD ANML PR	29	16.6	3,200,094	3,841,661	*		*
412 MKT QUAL ANIMAL PROD	97	34.6	3,228,899	7,609,686	*		*
SUBTOTAL		1112.8	126,615,488	245,277,610	*		*
SERIES 500							
501 IMP GRADES & STANOS	73	27.8	4,268,363	6,119,058	*		*
502 MKTG TIMBER PRODUCTS	31	7.2	738,189	1,296,543	*		*
503 MKTG EFF AGRI PRODS	162	56.2	4,330,084	9,302,003	*		*
506 SPLY OEMANO AND PRIC	223	128.5	12,946,229	21,388,492	*		*
507 COMP REL IN AGRIC	58	21.4	1,831,656	3,469,163	*		*
508 DOMESTIC MKT OEVELP	61	12.9	864,499	2,471,497	*		*
509 PERFORMANCE MKTG SYS	150	85.1	8,775,887	13,637,514	*		*
510 GROUP ACT MKT POWER	22	10.0	924,402	1,440,920	*		*
511 IMP AGRIC STATISTICS	41	7.8	277,709	2,566,687	*		*
512 IMP GRADES FRST PROD	14	9.1	937,733	1,582,307	*		*
513 PRICE ANAL FRST PROD	28	21.2	3,159,370	3,919,312	*		*
SUBTOTAL		387.3	39,054,122	67,193,496	*		*
SERIES 600							
601 FGN MKT OEVELP	168	165.7	14,978,417	25,616,875	*		*
602 EVAL FGN FOOD AIO PGM	6	8.7	347,119	633,981	*		*
603 TECH AIO OEVCRTY	45	29.4	439,612	11,861,193	*		*
604 PRO OVLPMT/MKTG FRGN	37	11.8	1,082,659	2,370,041	*		*
SUBTOTAL		215.7	16,847,808	40,482,090	*		*
SERIES 700							
701 TOX RES IN FOOD	170	67.7	10,182,719	15,524,288	*		*
702 FOOD PROT FROM TOX	228	134.6	19,195,729	30,430,103	*		*
703 FOOD CONSUMP HABITS	138	45.6	3,017,157	8,583,619	*		*
704 HOME COMM FOOD SERV	26	7.3	301,217	1,108,854	*		*
705 SEL CARE CLOTH & TEXTL	72	14.4	293,018	2,122,604	*		*
706 CONTR INSECTS AFF MAN	129	58.9	4,505,749	11,952,245	*		*
707 TRANS ANIML MAN DIS	28	4.9	276,770	1,529,204	*		*
708 HUMAN NUTRITION	475	202.1	52,833,902	71,296,816	*		*
709 REDUCE HAZ HLTH & SFTY	94	33.2	3,832,741	6,509,247	*		*
SUBTOTAL		568.7	94,439,002	149,056,980	*		*

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
SERIES 800							
801 RURAL HOUSING	47	15.6	1,226,357	2,847,816	*		*
802 INDIV & FAM DEC MAKING	207	57.2	1,389,916	7,939,944	*		*
803 RURAL POVERTY	20	3.8	101,470	639,779	*		*
804 ECON POTENT RURL PEO	91	26.5	2,111,585	3,638,543	*		*
805 COMMUNICAT EDUC PROC	126	43.6	982,579	6,607,878	*		*
806 ADJUSTMENT TO CHANGE	178	53.5	1,957,477	8,660,542	*		*
807 AGRIC ECONOMIC CHANGE	171	95.4	7,023,330	13,927,181	*		*
808 GOVT PROGRAMS	60	31.5	2,930,682	5,954,401	*		*
SUBTOTAL		327.0	17,723,395	50,216,085	*		*
SERIES 900							
901 ALLEY POLLUTION	634	220.5	26,806,185	58,677,014	*		*
902 OUTDOOR RECREATION	116	48.0	3,379,837	8,535,858	*		*
903 MULTI USE FOREST POTEN	107	37.5	2,712,227	7,428,738	*		*
904 WLOLFE AND FISH ECOL	655	261.9	21,064,023	69,981,529	*		*
905 TREES BEAUTIFICATION	108	27.9	4,342,187	7,651,613	*		*
906 ORNAMENT & TURF DEV	569	202.8	9,468,989	41,202,692	*		*
907 RURAL INCOME IMP	118	35.7	1,446,052	5,491,568	*		*
908 RURAL INSTITUT IMP	137	36.0	2,439,054	5,992,932	*		*
990 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	*		*
SUBTOTAL		871.4	75,842,151	209,145,539	*		*
SCIENCE IN SERV OF MAN GRAND TOTAL		10490.9	1,042,748,817	2,387,742,661	*		*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS AOMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	278	166.2	35,759,633	36,164,493	0.0	3,568,850
0200 WATER	298	133.1	30,352,291	31,497,173	0.0	4,233,283
0300 WATERSHEDS RIVER BAS	147	85.4	18,832,920	19,541,953	0.0	448,535
0400 AIR AND CLIMATE	11	4.9	1,203,696	1,310,492	0.0	16,136
0500 RECREATION RESOURCES	20	19.2	3,222,243	3,537,780	0.0	10,800
0600 TIMBER FORST PRODUCT	556	560.9	126,983,062	134,797,507	0.0	6,371,689
0700 RANGE	136	94.7	16,573,663	18,297,973	0.0	524,050
0800 WILDLIFE AND FISH	108	58.1	20,062,617	20,812,294	0.0	4,497,860
0900 CITRUS SUB TROP FRUIT	121	90.6	18,408,355	18,725,817	0.0	1,006,135
1000 FRUIT NUTS DECIDUOUS	239	123.6	29,932,742	30,363,496	0.0	2,943,711
1100 POTATOES	138	54.7	12,540,617	12,540,617	0.0	2,954,874
1200 VEGETABLES	314	141.5	31,430,240	31,617,305	0.0	4,323,771
1300 ORNAMENTALS TURF	72	25.2	6,730,970	6,836,614	0.0	671,644
1400 CORN	292	162.9	31,324,060	31,455,081	0.0	2,231,004
1500 GRAIN SORGHUM	58	14.4	3,210,884	3,232,655	0.0	321,608
1600 RICE	50	19.2	4,124,750	4,297,265	0.0	481,597
1700 WHEAT	245	140.2	26,442,820	26,698,385	0.0	2,622,636
1800 OTHER SMALL GRAINS	104	38.6	8,218,235	8,270,371	0.0	691,840
1900 PASTURE	49	17.8	3,740,993	3,742,078	0.0	68,316
2000 FORAGE CROPS	193	105.7	20,233,278	20,275,001	0.0	747,158
2100 COTTON	172	180.3	37,223,812	37,415,154	0.0	1,242,741
2200 COTTONSEED	21	17.5	3,017,243	3,019,096	0.0	0
2300 SOYBEANS	258	150.4	29,594,146	30,084,317	0.0	2,661,960
2400 PEANUTS	54	32.4	6,058,468	6,106,479	0.0	100,712
2500 OTHER OILSEED CROPS	52	20.3	5,526,599	5,539,683	0.0	1,262,438
2600 TOBACCO	46	36.0	6,620,226	6,631,246	0.0	954,696
2700 SUGAR CROPS	41	44.0	10,224,229	10,261,802	0.0	211,040
2800 MISC NEW CROPS	68	19.4	7,280,268	7,511,032	0.0	3,360,378
2900 POULTRY	132	108.3	25,147,595	25,320,863	0.0	3,340,670
3000 BEEF CATTLE	267	165.1	41,348,345	41,415,777	0.0	5,136,860
3100 DAIRY CATTLE	197	127.7	32,549,706	32,624,436	0.0	3,755,871
3200 SWINE	135	90.9	28,924,829	28,930,777	0.0	3,312,087
3300 SHEEP AND WOOL	97	38.3	10,995,848	11,014,898	0.0	936,408
3400 OTHER ANIMALS	39	7.1	3,547,611	3,591,480	0.0	1,059,073
3500 BEES AND HONEY	23	28.5	4,272,419	4,344,378	0.0	61,460
3600 FARM SUPP & FACILITS	6	6.0	855,629	855,629	0.0	124,829
3800 FOOD	73	50.4	13,441,889	13,665,410	0.0	2,530,588
3900 HOUSING & EQUIP	14	7.2	1,716,185	1,834,127	0.0	122,570
4000 PEOPLE AS INDIVIDUALS	151	89.6	47,697,041	48,478,179	0.0	10,857,450
4100 FAMILY MEMBERS	9	6.6	1,914,321	1,914,321	0.0	545,821
4200 FARM AS BUSINESS	10	6.3	1,343,304	1,343,304	0.0	316,554
4300 SOC POLIT ORGANIZ	19	12.7	2,632,902	2,632,902	0.0	578,619
4400 AGRIC ECONOMY U S	45	73.0	10,886,369	10,886,369	0.0	887,119
4500 AGRIC ECONOMY FORGN	38	100.2	10,795,762	10,800,832	0.0	1,284,562
4600 FARM COOPERATIVES	9	14.9	1,574,448	1,574,448	0.0	35,360
4800 MARKETING SYSTEMS	8	21.3	3,503,070	3,510,370	0.0	238,140
6100 WEEDS	78	35.3	6,564,549	6,668,510	0.0	395,065
6200 SEED RESEARCH	11	4.3	630,789	661,544	0.0	39,500
6300 BIO CELL SYSTEMS	30	12.9	2,719,379	2,810,284	0.0	617,470
6400 EXP DESIGN/STAT METHOD	1	0.0	5,638	5,638	0.0	5,638
6500 INVERTEBRATES	122	64.8	14,926,429	15,032,860	0.0	2,911,719
6600 MICROORGANISMS VIRUSES	129	30.9	10,012,807	10,401,893	0.0	3,803,765
6700 PLANTS	311	115.8	32,824,136	34,221,752	0.0	11,357,675
6800 ANIMALS(VERTEBRATES)	53	7.7	4,642,095	4,678,881	0.0	2,824,210
6900 RESEARCH ON RSCH MGMT	7	1.0	1,368,402	1,368,402	0.0	1,113,710
7000 RSCH EQUIP & TECHNOLOGY	28	13.3	2,956,063	2,956,063	0.0	305,640
9900 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	0.0	0
TOTAL		3800.7	878,852,218	898,311,091	0.0	107,023,713

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL USOA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
101 APPRAIS OF SOIL RESOR	29	7.7	2,059,553	2,149,573	0.0	544,961
102 SOIL PLNT WTR NUTRI	217	165.2	33,804,536	34,129,337	0.0	2,187,157
103 MGMT OF SALINE SOILS	13	12.2	2,427,031	2,427,031	0.0	80,000
104 ALTERN USE OF LAND	28	27.5	4,214,672	4,270,838	0.0	116,864
105 CONSERV USE OF WATER	119	68.4	13,130,045	14,050,865	0.0	1,084,750
106 DRAIN AND IRRIGATION	28	19.5	3,883,174	4,148,657	0.0	558,107
107 WATERSHED PROT & MGMT	153	130.1	28,043,172	28,637,990	0.0	743,198
108 ECON LEG PROB OF WAT	3	5.0	766,500	766,500	0.0	0
109 WEATHER ADAPT & MOO	35	8.2	1,695,218	1,898,085	0.0	175,369
110 APPRAIS FORST & RANGS	33	45.8	15,157,469	15,726,525	0.0	153,100
111 BIOL CULT MGMT FORSTS	149	148.5	26,402,582	28,066,346	0.0	723,111
112 IMPROV RANGE RESOR	62	46.2	8,585,110	8,750,474	0.0	210,622
113 REMOTE SENSING	26	14.6	3,674,239	3,973,492	0.0	176,604
114 RSCH ON MGMT OF RSCH	7	1.0	1,368,402	1,368,402	0.0	1,113,710
SUBTOTAL		700.0	145,311,704	150,364,117	0.0	7,867,554
SERIES 200						
201 CNTRL FORST INSECTS	98	84.5	18,202,353	18,352,500	0.0	281,750
202 CONTROL FOREST DIS	60	42.1	10,002,536	10,673,113	0.0	232,078
203 FOREST FIRE PROTECT	32	35.1	6,824,473	7,460,807	0.0	0
204 CNTR PESTS FRT & VEGS	181	86.5	18,663,657	20,357,453	0.0	1,568,361
205 CNTR DISE FRT & VEG	232	95.5	17,890,654	18,201,717	0.0	3,663,580
206 CNTR WEEDS FRT & VEG	45	10.0	2,288,389	2,272,563	0.0	451,517
207 CNTR PESTS FLD CROPS	233	164.9	32,361,404	33,580,290	0.0	3,812,748
208 CNTR DIS FLD CROPS	229	121.2	22,165,776	22,348,148	0.0	2,643,055
209 CNTR WEEDS FLD CROPS	140	81.6	15,421,712	15,562,893	0.0	1,180,167
210 CNTR PESTS ANIMALS	64	50.5	9,555,265	9,604,727	0.0	674,211
211 CNTR DIS ANIMALS	173	144.7	49,659,729	49,909,029	0.0	7,892,592
212 CNTR INTER PARASITES	28	28.0	7,032,917	7,037,332	0.0	574,008
213 PROT ANMLS FROM TOXINS	22	33.3	5,228,579	5,228,579	0.0	237,204
214 PROTECT FROM POLLUTION	52	28.8	10,175,115	10,508,500	0.0	1,992,493
SUBTOTAL		1006.8	226,752,559	231,097,452	0.0	25,203,764
SERIES 300						
301 GENET BREEO FORST TRE	32	23.3	5,515,946	5,904,529	0.0	532,416
302 IMP FOREST ENG SYS	18	19.8	3,924,940	4,016,619	0.0	525,015
303 ECON TIMBER PRODUCTN	22	14.4	2,162,870	2,408,652	0.0	43,600
304 IMP BIO EFF FRT & VEGS	222	84.9	22,869,257	23,006,568	0.0	3,377,855
305 MECH PROO FRT & VEGS	7	2.7	659,739	662,563	0.0	16,116
306 PROO MGMT SYS F & V	14	1.1	1,488,830	1,488,331	0.0	229,507
307 IMP BIO EFF FLD CRP	442	246.9	55,869,832	56,733,217	0.0	6,383,180
308 MECH PROO FLD CROPS	19	11.2	2,517,589	2,553,796	0.0	116,187
309 PROO MGMT SYS FLD CRP	77	33.7	6,799,722	6,811,964	0.0	609,190
310 ANIMAL REPRODUCTION	78	31.1	13,154,382	13,162,943	0.0	3,451,156
311 IMP BIO EFF ANML PR	144	87.2	25,530,678	25,624,290	0.0	2,651,760
312 ENV STRESS IN ANML PR	21	10.5	2,349,986	2,349,986	0.0	71,432
313 PROO MGMT SYS ANML PR	21	6.3	1,892,297	1,892,856	0.0	525,700
314 BEES OTH POLLNTNG INS	23	28.5	4,272,419	4,344,378	0.0	61,460
316 FARM BUSINESS MGMT	6	3.9	710,954	710,954	0.0	99,154
318 NON COM BIO TECH/BIMET	263	112.4	33,349,770	34,269,386	0.0	10,152,047
SUBTOTAL		717.9	183,067,213	185,941,031	0.0	28,845,775
SERIES 400						
401 NEW IMP FOREST PROO	105	82.0	22,926,641	26,032,967	0.0	2,904,504
402 PROO F & V IMP ACCEPT	78	32.3	6,249,639	6,321,756	0.0	791,935
403 NEW & IMP F & V PROO	19	21.5	3,240,292	3,240,292	0.0	160,173
404 MKT QVAL FRTS & VEGS	99	85.3	14,658,519	14,887,464	0.0	719,826
405 PROO FLD CROP IMP ACPT	118	82.1	15,173,412	15,344,525	0.0	752,113
406 NEW IMP FOOD FLD CROP	29	32.9	8,484,354	8,475,404	0.0	1,366,564
407 NEW IMP NON FOOD FC	79	89.3	19,663,048	19,733,664	0.0	1,786,194
408 MKT QVAL FLD CROPS	54	47.4	8,148,126	8,246,311	0.0	68,382
409 PROO ANML PR IMP ACCP	17	13.2	3,025,118	3,025,118	0.0	279,194
410 IMP MEAT MILK EGG PR	22	29.5	5,456,937	5,473,222	0.0	510,640
411 IMP NON FOOD ANML PR	14	11.2	3,053,721	3,054,892	0.0	211,356
412 MKT QVAL ANIMAL PROO	14	12.3	2,621,326	2,623,549	0.0	52,259
SUBTOTAL		539.0	112,681,132	116,459,164	0.0	9,603,140
SERIES 500						
501 IMP GRADES & STANOS	25	17.5	3,957,957	4,011,096	0.0	177,464
502 MKTG TIMBER PRODUCTS	3	0.6	551,266	551,266	0.0	293,652
503 MKTG EFF AGRI PROOS	23	16.2	3,242,080	3,273,583	0.0	578,591
506 SPLY DEMAND AND PRIC	37	70.3	11,260,540	11,275,540	0.0	683,490
507 COMP REL IN AGRIC	7	9.3	1,559,631	1,559,631	0.0	126,131
508 DOMESTIC MKT DEVELP	7	2.2	658,572	658,572	0.0	376,072
509 PERFORMANCE MKTG SYS	20	45.1	7,543,541	7,550,841	0.0	326,885
510 GROUP ACT MKT POWER	5	6.7	825,744	825,744	0.0	91,482
511 IMP AGRIC STATISTICS	2	0.0	101,377	101,377	0.0	101,377
512 IMP GRADES FRST PROO	7	8.4	899,004	993,284	0.0	0
513 PRICE ANAL FRST PROO	13	17.6	3,028,022	3,150,795	0.0	0
SUBTOTAL		194.0	33,627,714	33,951,729	0.0	2,755,144
SERIES 600						
601 FGN MKT DEVELP	52	108.2	14,049,883	14,082,871	0.0	2,661,790
602 EVAL FGN FOOD AIO PGM	2	7.4	345,200	350,270	0.0	0
603 TECH AIO DEV CRTY	3	1.7	336,394	336,394	0.0	0
604 PRD OVLPMT/MKTG FRGN	9	4.4	896,312	901,181	0.0	53,746
SUBTOTAL		121.7	15,627,789	15,670,716	0.0	2,715,536
SERIES 700						
701 TOX RES IN FOOD	69	25.0	8,948,989	8,978,551	0.0	3,471,993
702 FOOD PROT FROM TOX	74	81.6	17,763,736	17,772,392	0.0	1,380,476
703 FOOD CONSUMP HABITS	16	11.8	2,259,115	2,428,914	0.0	164,433
706 CONTR INSECTS AFF MAN	25	20.6	3,796,151	3,813,421	0.0	144,970
707 TRANS ANIML MAN DIS	3	0.6	226,257	226,257	0.0	0
708 HUMAN NUTRITION	143	86.1	50,496,930	51,300,714	0.0	11,480,182
709 REDUCE HAZ HLTH & SFTY	26	16.0	3,604,873	3,604,873	0.0	294,683
SUBTOTAL		241.6	87,096,052	88,125,123	0.0	16,936,737

TABLE II-O SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 800						
801 RURAL HOUSING	4	5.0	1,014,851	1,132,793	0.0	0
802 INDIV & FAM DEC MAKING	8	4.0	490,817	490,817	0.0	18,733
803 RURAL POVERTY	2	0.0	51,533	51,533	0.0	51,533
804 ECON POTENT RURL PEO	10	6.2	1,528,567	1,528,567	0.0	600,567
805 COMMUNICAT EDUC PROC	7	1.2	568,654	568,654	0.0	308,654
806 ADJUSTMENT TO CHANGE	5	6.0	990,733	990,733	0.0	18,733
807 AGRIC ECONOMIC CHANGE	32	41.0	5,903,474	5,903,474	0.0	307,524
808 GOVT PROGRAMS	16	15.1	2,601,832	2,601,832	0.0	580,582
SUBTOTAL		78.5	13,150,461	13,268,403	0.0	1,886,326
SERIES 900						
901 ALLEV POLLUTION	165	66.3	23,134,530	23,411,227	0.0	6,212,722
902 OUTDOOR RECREATION	19	18.2	2,846,853	3,146,009	0.0	10,800
903 MULTI USE FOREST POTEN	17	15.3	1,862,553	2,278,973	0.0	0
904 WLOLFE AND FISH ECOL	93	59.2	18,550,961	19,301,187	0.0	3,925,882
905 TREES BEAUTIFICATION	21	7.3	3,830,152	3,889,905	0.0	16,532
906 ORNAMENT & TURF DEV	66	24.0	5,088,282	5,201,793	0.0	631,666
907 RURAL INCOME IMP	8	1.9	559,402	559,402	0.0	220,107
908 RURAL INSTITUT IMP	11	7.9	1,481,283	1,481,283	0.0	192,026
990 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	0.0	0
SUBTOTAL		201.1	61,537,595	63,433,357	0.0	11,209,735
SCIENCE IN SERV OF MAN						
GRAND TOTAL		3800.7	878,852,218	898,311,091	0.0	107,023,713



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				AGRICULTURAL COOPERATIVE SERVICE		ACS
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
4600 FARM COOPERATIVES	8	14.9	1,539,088	1,539,088	0.0	0
TOTAL		14.9	1,539,088	1,539,088	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --				AGRICULTURAL COOPERATIVE SERVICE		ACS
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 500						
509 PERFORMANCE MKTG SYS	5	8.2	804,826	804,826	0.0	0
510 GROUP ACT MKT POWER	3	6.7	734,262	734,262	0.0	0
SUBTOTAL		14.9	1,539,088	1,539,088	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		14.9	1,539,088	1,539,088	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

AGRICULTURAL RESEARCH SERVICE

ARS

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	188	129.5	25,404,807	25,686,871	0.0		295,158
0200 WATER	225	113.1	23,305,774	24,430,455	0.0		609,244
0300 WATERSHEDS RIVER BAS	89	43.6	10,019,938	10,211,645	0.0		141,392
0600 TIMBER FORST PRODUCT	37	21.5	4,724,087	4,807,706	0.0		42,750
0700 RANGE	85	74.4	12,566,647	13,743,484	0.0		43,200
0800 WILDLIFE AND FISH	15	12.1	3,422,629	3,426,651	0.0		221,900
0900 CITRUS SUB TRDP FRUT	94	88.6	17,044,664	17,364,126	0.0		32,680
1000 FRUIT NUTS DECIDUOUS	206	121.8	26,824,578	27,255,332	0.0		332,947
1100 POTATDES	106	51.7	10,024,003	10,024,003	0.0		1,318,833
1200 VEGETABLES	230	140.8	25,779,827	25,966,892	0.0		209,583
1300 ORNAMENTALS TURF	58	24.2	5,747,126	5,852,771	0.0		4,000
1400 CORN	246	157.7	27,903,374	28,031,954	0.0		431,115
1500 GRAIN SORGHUM	52	13.3	2,770,374	2,792,145	0.0		110,857
1600 RICE	41	16.7	3,301,234	3,472,529	0.0		59,261
1700 WHEAT	201	134.7	22,920,573	23,174,918	0.0		305,819
1800 OTHER SMALL GRAINS	91	36.9	7,317,701	7,369,837	0.0		298,375
1900 PASTURE	43	17.4	3,605,053	3,606,138	0.0		6,176
2000 FORAGE CROPS	169	104.6	19,273,277	19,315,000	0.0		123,960
2100 COTTON	153	172.7	34,769,167	34,959,289	0.0		266,596
2200 COTTONSEED	20	17.0	2,945,543	2,947,396	0.0		0
2300 SOYBEANS	223	145.2	26,071,506	26,560,456	0.0		352,271
2400 PEANUTS	51	31.7	5,870,156	5,918,167	0.0		8,000
2500 OTHER OILSEED CROPS	39	17.8	4,151,198	4,163,062	0.0		342,936
2600 TOBACCO	38	31.9	5,520,071	5,531,091	0.0		540,541
2700 SUGAR CROPS	37	38.2	9,259,089	9,296,668	0.0		90,000
2800 MISC NEW CROPS	50	17.8	3,933,631	4,164,396	0.0		416,405
2900 POULTRY	106	103.2	20,749,458	20,921,506	0.0		43,695
3000 BEEF CATTLE	209	154.9	33,803,441	33,869,653	0.0		130,576
3100 DAIRY CATTLE	154	120.2	27,710,867	27,769,377	0.0		133,431
3200 SWINE	100	84.5	24,231,913	24,237,861	0.0		15,620
3300 SHEEP AND WOOL	78	36.1	9,449,044	9,468,094	0.0		41,504
3400 OTHER ANIMALS	22	7.1	2,027,242	2,071,111	0.0		7,810
3500 BEES AND HONEY	22	27.1	4,076,019	4,147,978	0.0		61,460
3600 FOOD	46	31.0	8,107,816	8,319,507	0.0		199,974
3900 HOUSING & EQUIP	8	2.2	578,764	578,764	0.0		0
4000 PEOPLE AS INDIVIDUALS	129	86.0	45,193,414	45,974,552	0.0		9,113,205
6100 WEEDS	67	35.3	6,179,852	6,283,813	0.0		10,368
6200 SEED RESEARCH	11	4.3	630,789	661,544	0.0		39,500
6300 BIO CELL SYSTEMS	21	12.9	1,954,912	2,045,817	0.0		1,603
6500 INVERTEBRATES	65	63.3	10,719,565	10,824,650	0.0		114,368
6600 MICROORGANISMS VIRUSES	57	30.9	4,565,547	4,954,633	0.0		26,641
6700 PLANTS	164	113.5	18,357,842	19,755,458	0.0		789,480
6800 ANIMALS(VERTEBRATES)	16	7.7	1,444,200	1,480,987	0.0		0
7000 RSCH EQUIP & TECHNDGY	22	13.3	2,475,422	2,475,422	0.0		0
9900 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	0.0		0
TOTAL		2709.5	570,915,731	580,097,304	0.0		17,333,239

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

AGRICULTURAL RESEARCH SERVICE

ARS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA WITH SAES AMOUNT 1990
<b>SERIES 100</b>						
101 APPRAIS OF SOIL RESOR	18	7.7	1,430,849	1,520,869	0.0	12,092
102 SOIL PLNT WTR NUTRI	158	140.4	27,633,732	27,838,097	0.0	158,570
103 MGMT OF SALINE SOILS	12	12.2	2,367,031	2,367,031	0.0	20,000
104 ALTERN USE OF LAND	6	1.0	214,649	237,147	0.0	1,569
105 CONSERV USE OF WATER	105	65.1	11,790,328	12,690,947	0.0	340,598
106 DRAIN AND IRRIGATION	18	19.5	3,434,102	3,599,585	0.0	58,000
107 WATERSHED PROT & MGMT	96	86.3	18,638,807	18,769,225	0.0	285,881
109 WEATHER ADAPT & MOD	31	6.4	1,440,724	1,640,970	0.0	159,233
110 APPRAIS FORST & RANGS	1	0.5	0	27,324	0.0	0
112 IMPROV RANGE RESOR	38	36.5	6,699,726	6,736,813	0.0	43,200
113 REMOTE SENSING	22	14.6	3,035,874	3,335,127	0.0	60,000
SUBTOTAL		390.2	76,685,824	78,763,138	0.0	1,139,145
<b>SERIES 200</b>						
201 CNTRL FORST INSECTS	28	15.5	2,575,609	2,622,475	0.0	93,750
202 CONTROL FOREST OIS	3	0.9	133,042	133,042	0.0	0
204 CNTR PESTS FRT & VEGS	137	86.5	18,391,760	18,885,557	0.0	192,300
205 CNTR DISE FRT & VEG	171	95.5	14,997,996	15,209,058	0.0	995,921
206 CNTR WEEDES FRT & VEG	29	10.0	1,741,747	1,745,921	0.0	24,875
207 CNTR PESTS FLD CROPS	173	164.9	28,855,035	30,052,374	0.0	334,133
208 CNTR OIS FLD CROPS	175	120.4	19,104,296	19,259,735	0.0	113,981
209 CNTR WEEDES FLD CROPS	114	81.6	14,134,865	14,276,046	0.0	59,321
210 CNTR PESTS ANIMALS	57	50.5	8,910,077	8,959,538	0.0	29,023
211 CNTR OIS ANIMALS	111	144.7	41,420,687	41,669,987	0.0	233,550
212 CNTR INTER PARASITES	23	28.0	6,458,909	6,463,324	0.0	0
213 PROT ANMLS FROM TOXINS	18	33.3	5,014,374	5,014,374	0.0	23,000
214 PROTECT FROM POLLUTION	28	16.8	3,095,166	3,409,939	0.0	518,608
SUBTOTAL		848.7	164,833,564	167,701,372	0.0	2,618,462
<b>SERIES 300</b>						
304 IMP BIO EFF FRT & VEGS	172	84.9	19,352,668	19,489,979	0.0	509,210
305 MECH PROO FRT & VEGS	5	2.7	593,623	596,447	0.0	0
306 PROO MGMT SYS F & V	7	1.1	203,370	204,871	0.0	1,600
307 IMP BIO EFF FLD CRP	357	246.9	48,726,975	49,590,359	0.0	1,161,614
308 MECH PROO FLD CROPS	16	11.2	2,433,294	2,469,501	0.0	56,810
309 PROO MGMT SYS FLD CRP	67	33.7	6,237,501	6,249,743	0.0	46,969
310 ANIMAL REPRODUCTION	44	31.1	8,436,938	8,445,499	0.0	27,625
311 IMP BIO EFF ANML PR	116	87.2	22,531,418	22,625,029	0.0	16,267
312 ENV STRESS IN ANML PR	19	10.5	2,284,036	2,284,036	0.0	5,482
313 PROO MGMT SYS ANML PR	15	6.3	1,321,196	1,321,756	0.0	3,450
314 BEES OTH POLLNTNG INS	22	27.1	4,076,019	4,147,978	0.0	61,460
318 NON COM BIO TECH/BIMET	129	112.4	18,610,548	19,530,163	0.0	191,960
SUBTOTAL		655.1	134,807,587	136,955,362	0.0	2,082,450
<b>SERIES 400</b>						
402 PROO F & V IMP ACCEPT	61	32.3	5,420,314	5,492,431	0.0	64,610
403 NEW & IMP F & V PROO	15	21.5	3,098,430	3,098,430	0.0	18,311
404 MKT QVAL FRYS & VEGS	91	85.3	14,106,814	14,335,759	0.0	168,120
405 PROO FLD CROP IMP ACPT	112	82.1	14,944,501	15,115,614	0.0	523,202
406 NEW IMP FOOD FLD CROP	21	32.9	6,644,290	6,655,340	0.0	0
407 NEW IMP NON FOOD FC	63	89.3	17,806,259	17,876,876	0.0	112,790
408 MKT QVAL FLD CROPS	50	47.4	7,864,724	7,962,909	0.0	54,980
409 PROO ANML PR IMP ACCP	14	13.2	2,747,925	2,747,925	0.0	2,000
410 IMP MEAT MILK EGG PR	19	29.5	4,946,297	4,962,582	0.0	0
411 IMP NON FOOD ANML PR	12	11.2	2,842,365	2,843,536	0.0	0
412 MKT QVAL ANIMAL PROO	12	12.3	2,422,379	2,424,602	0.0	44,983
SUBTOTAL		457.0	82,844,297	83,516,003	0.0	988,998
<b>SERIES 500</b>						
501 IMP GRADES & STANDS	24	17.5	3,904,917	3,958,056	0.0	124,423
503 MKTG EFF AGRI PROOS	12	5.6	1,071,568	1,103,091	0.0	14,858
SUBTOTAL		23.0	4,976,485	5,061,147	0.0	139,322
<b>SERIES 600</b>						
601 FGN MKT DEVLP	7	0.9	275,411	284,369	0.0	45,618
603 TECH AID DEV CRTY	1	0.3	120,994	120,994	0.0	0
604 PRO OVLPMNT/MKTG FRGN	6	3.4	723,066	727,935	0.0	0
SUBTOTAL		4.7	1,119,471	1,133,297	0.0	45,618
<b>SERIES 700</b>						
701 TOX RES IN FOOD	28	23.8	5,550,456	5,580,018	0.0	95,960
702 FOOD PROT FROM TOX	65	80.0	16,205,839	16,214,495	0.0	235,888
703 FOOD CONSUMPT HABITS	11	6.7	1,325,232	1,495,031	0.0	0
706 CONTR INSECTS AFF MAN	20	20.6	3,651,180	3,668,451	0.0	0
707 TRANS ANIML MAN OIS	3	0.6	226,257	226,257	0.0	0
708 HUMAN NUTRITION	122	85.5	47,884,670	48,688,454	0.0	9,227,576
709 REDUCE HAZ HLTH & SFTY	25	16.0	3,601,931	3,601,931	0.0	291,741
SUBTOTAL		233.2	78,445,565	79,474,637	0.0	9,851,165
<b>SERIES 800</b>						
802 INDIV & FAM DEC MAKING	7	4.0	472,084	472,084	0.0	0
SUBTOTAL		4.0	472,084	472,084	0.0	0
<b>SERIES 900</b>						
901 ALLEY POLLUTION	89	52.3	12,486,528	12,618,653	0.0	450,078
904 WLDLFE AND FISH ECOL	10	11.1	2,269,589	2,273,611	0.0	0
905 TREES BEAUTIFICATION	17	6.2	3,645,723	3,685,476	0.0	13,000
906 ORNAMENT & TURF DEV	54	23.0	4,145,416	4,258,927	0.0	5,000
990 UNCLASSIFIED	11	1.0	4,183,597	4,183,597	0.0	0
SUBTOTAL		93.6	26,730,854	27,020,265	0.0	468,078
<b>SCIENCE IN SERV OF MAN</b>						
GRAND TOTAL		2709.5	570,915,731	580,097,304	0.0	17,333,239

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CSRS SPECIAL GRANTS

CSRS

CLASSIFICATION CATEGORY	NO OF PRD	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	48	0.0	3,369,528	3,369,528	0.0	3,273,692
0200 WATER	49	0.0	3,670,539	3,670,539	0.0	3,624,039
0300 WATERSHEDS RIVER BAS	4	0.0	305,143	305,143	0.0	305,143
0400 AIR AND CLIMATE	1	0.0	16,136	16,136	0.0	16,136
0500 RECREATION RESOURCES	1	0.0	10,800	10,800	0.0	10,800
0600 TIMBER FORST PRODUCT	21	0.0	3,863,599	3,863,599	0.0	3,684,263
0700 RANGE	15	0.0	480,850	480,850	0.0	480,850
0800 WILDLIFE AND FISH	24	0.0	5,247,555	5,247,555	0.0	4,275,960
0900 CITRUS SUB TROP FRUIT	25	0.0	1,019,291	1,019,291	0.0	923,455
1000 FRUIT NUTS DECIDUOUS	27	0.0	2,323,264	2,323,264	0.0	2,323,264
1100 POTATODES	29	0.0	1,636,041	1,636,041	0.0	1,636,041
1200 VEGETABLES	65	0.0	3,758,853	3,758,853	0.0	2,802,800
1300 ORNAMENTALS TURF	10	0.0	523,644	523,644	0.0	523,644
1400 CORN	20	0.0	812,023	812,023	0.0	812,023
1500 GRAIN SORGHUM	3	0.0	198,742	198,742	0.0	198,742
1600 RICE	4	0.0	282,336	282,336	0.0	282,336
1700 WHEAT	32	0.0	1,806,317	1,806,317	0.0	1,806,317
1800 OTHER SMALL GRAINS	6	0.0	257,964	257,964	0.0	257,964
1900 PASTURE	5	0.0	62,140	62,140	0.0	62,140
2000 FORAGE CROPS	20	0.0	623,198	623,198	0.0	623,198
2100 COTTON	11	0.0	766,145	766,145	0.0	766,145
2300 SOYBEANS	21	0.0	1,736,689	1,736,689	0.0	1,736,689
2400 PEANUTS	2	0.0	92,712	92,712	0.0	92,712
2500 OTHER OILSEED CROPS	10	0.0	919,501	919,501	0.0	919,501
2600 TOBACCO	2	0.0	74,155	74,155	0.0	74,155
2700 SUGAR CROPS	2	0.0	121,040	121,040	0.0	121,040
2800 MISC NEW CROPS	15	0.0	3,003,058	3,003,058	0.0	2,943,973
2900 POULTRY	12	0.0	1,892,975	1,892,975	0.0	1,892,975
3000 BEEF CATTLE	37	0.0	2,713,192	2,713,192	0.0	2,713,192
3100 DAIRY CATTLE	29	0.0	2,277,275	2,277,275	0.0	2,277,275
3200 SWINE	20	0.0	1,797,467	1,797,467	0.0	1,797,467
3300 SHEEP AND WOOL	11	0.0	449,904	449,904	0.0	449,904
3400 OTHER ANIMALS	13	0.0	1,051,263	1,051,263	0.0	1,051,263
3500 FARM SUPP & FACILITS	4	0.0	124,629	124,629	0.0	124,629
3600 FOOD	14	0.0	2,001,558	2,001,558	0.0	2,001,558
3900 HOUSING & EQUIP	2	0.0	122,570	122,570	0.0	122,570
4000 PEOPLE AS INDIVIDUALS	9	0.0	1,336,961	1,336,961	0.0	1,336,961
4100 FAMILY MEMBERS	2	0.0	545,821	545,821	0.0	545,821
4200 FARM AS BUSINESS	5	0.0	316,554	316,554	0.0	316,554
4300 SOC POLIT ORGANIZ	7	0.0	578,619	578,619	0.0	578,619
4400 AGRIC ECONOMY U.S	4	0.0	887,119	887,119	0.0	887,119
4500 AGRIC ECONOMY FORGN	3	0.0	1,284,562	1,284,562	0.0	1,284,562
4600 FARM COOPERATIVES	1	0.0	35,360	35,360	0.0	35,360
4800 MARKETING SYSTEMS	4	0.0	236,140	236,140	0.0	236,140
6100 WEEDS	9	0.0	209,697	209,697	0.0	209,697
6300 BIO CELL SYSTEMS	4	0.0	338,617	338,617	0.0	338,617
6400 EXP DESIGN/STAT METHOD	1	0.0	5,638	5,638	0.0	5,638
6500 INVERTEBRATES	10	0.0	220,601	220,601	0.0	220,601
6600 MICROORGANISMS VIRUSES	13	0.0	553,523	553,523	0.0	553,523
6700 PLANTS	52	0.0	5,772,809	5,772,809	0.0	5,772,809
6800 ANIMALS(VERTEBRATES)	24	0.0	1,321,565	1,321,565	0.0	1,321,565
6900 RESEARCH ON RSCH MGMT	3	0.0	1,113,710	1,113,710	0.0	1,113,710
7000 RSCH EQUIP & TECHNOLOGY	5	0.0	305,640	305,640	0.0	305,640
TOTAL		0.0	64,475,030	64,475,030	0.0	62,070,789

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA -- CSRS SPECIAL GRANTS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
101 APPRAIS OF SOIL RESOR	11	0.0	628,704	628,704	0.0	532,868
102 SOIL PLNT WTR NUTRI	27	0.0	1,734,587	1,734,587	0.0	1,734,587
104 ALTERN USE OF LAND	4	0.0	115,294	115,294	0.0	115,294
105 CONSERV USE OF WATER	8	0.0	582,152	582,152	0.0	582,152
106 DRAIN AND IRRIGATION	9	0.0	500,107	500,107	0.0	500,107
107 WATERSHED PROT & MGMT	7	0.0	457,317	457,317	0.0	457,317
109 WEATHER ADAPT & MOO	1	0.0	16,136	16,136	0.0	16,136
110 APPRAIS FORST & RANGS	1	0.0	72,000	72,000	0.0	72,000
111 BIOL CULT MGMT FORSTS	3	0.0	190,285	190,285	0.0	190,285
112 IMPROV RANGE RESOR	7	0.0	167,422	167,422	0.0	167,422
113 REMOTE SENSING	2	0.0	144,504	144,504	0.0	116,604
114 RSCH ON MGMT OF RSCH	3	0.0	1,113,710	1,113,710	0.0	1,113,710
SUBTOTAL		0.0	5,722,219	5,722,219	0.0	5,598,483
SERIES 200						
201 CNTRL FORST INSECTS	1	0.0	95,836	95,836	0.0	0
202 CONTROL FOREST OIS	2	0.0	39,078	39,078	0.0	39,078
204 CNTR PESTS FRT & VEGS	41	0.0	1,231,397	1,231,397	0.0	1,135,561
205 CNTR OISE FRT & VEG	46	0.0	1,775,058	1,775,058	0.0	1,775,058
206 CNTR WEEOS FRT & VEG	14	0.0	321,642	321,642	0.0	321,642
207 CNTR PESTS FLO CROPS	45	0.0	2,464,615	2,464,615	0.0	2,464,615
208 CNTR OIS FIELD CROPS	30	0.0	1,259,474	1,259,474	0.0	1,259,474
209 CNTR WEEOS FLO CROPS	22	0.0	959,847	959,847	0.0	959,847
210 CNTR PESTS ANIMALS	7	0.0	645,188	645,188	0.0	645,188
211 CNTR OIS ANIMALS	44	0.0	4,769,884	4,769,884	0.0	4,769,884
212 CNTR INTER PARASITES	4	0.0	349,008	349,008	0.0	349,008
213 PROT ANMLS FROM TOXINS	4	0.0	214,204	214,204	0.0	214,204
214 PROTECT FROM POLLUTION	13	0.0	1,213,885	1,213,885	0.0	1,213,885
SUBTOTAL		0.0	15,339,116	15,339,116	0.0	15,147,444
SERIES 300						
301 GENET BREED FORST TRE	1	0.0	23,416	23,416	0.0	23,416
302 IMP FOREST ENG SYS	2	0.0	525,015	525,015	0.0	525,015
303 ECON TIMBER PRODUCTN	1	0.0	43,600	43,600	0.0	43,600
304 IMP BIO EFF FRT & VEGS	34	0.0	2,071,506	2,071,506	0.0	2,071,506
305 MECH PROO FRT & VEGS	1	0.0	16,116	16,116	0.0	16,116
306 PROO MGMT SYS F & V	5	0.0	1,183,960	1,183,960	0.0	227,907
307 IMP BIO EFF FLO CRP	28	0.0	1,739,656	1,739,656	0.0	1,739,656
308 MECH PROO FIELD CROPS	2	0.0	59,376	59,376	0.0	59,376
309 PROO MGMT SYS FLO CRP	10	0.0	562,221	562,221	0.0	562,221
310 ANIMAL REPRODUCTION	6	0.0	453,367	453,367	0.0	453,367
311 IMP BIO EFF ANML PR	12	0.0	868,992	868,992	0.0	868,992
312 ENV STRESS IN ANML PR	2	0.0	65,950	65,950	0.0	65,950
313 PROO MGMT SYS ANML PR	5	0.0	522,251	522,251	0.0	522,251
316 FARM BUSINESS MGMT	3	0.0	99,154	99,154	0.0	99,154
318 NON COM BIO TECH/BIMET	10	0.0	2,900,336	2,900,336	0.0	2,900,336
SUBTOTAL		0.0	11,134,916	11,134,916	0.0	10,173,163
SERIES 400						
401 NEW IMP FOREST PROO	8	0.0	1,756,504	1,756,504	0.0	1,756,504
402 PROO F & V IMP ACCEPT	14	0.0	587,675	587,675	0.0	587,675
403 NEW & IMP F & V PROO	4	0.0	141,862	141,862	0.0	141,862
404 MKT QUAL FRTS & VEGS	8	0.0	551,705	551,705	0.0	551,705
405 PROO FLO CROP IMP ACPT	5	0.0	228,261	228,261	0.0	228,261
406 NEW IMP FOOD FLO CROP	5	0.0	1,366,564	1,366,564	0.0	1,366,564
407 NEW IMP NON FOOD FLO	14	0.0	1,726,789	1,726,789	0.0	1,673,404
408 MKT QUAL FIELD CROPS	2	0.0	13,402	13,402	0.0	13,402
409 PROO ANML PR IMP ACCP	3	0.0	277,194	277,194	0.0	277,194
410 IMP MEAT MILK EGG PR	3	0.0	510,640	510,640	0.0	510,640
411 IMP NON FOOD ANML PR	2	0.0	211,356	211,356	0.0	211,356
412 MKT QUAL ANIMAL PROO	2	0.0	198,947	198,947	0.0	7,275
SUBTOTAL		0.0	7,570,898	7,570,898	0.0	7,325,841
SERIES 500						
501 IMP GRADES & STANOS	1	0.0	53,041	53,041	0.0	53,041
502 MKTG TIMBER PRODUCTS	1	0.0	293,652	293,652	0.0	293,652
503 MKTG EFF AGRI PROOS	5	0.0	563,692	563,692	0.0	563,692
506 SPLY DEMAND AND PRIC	5	0.0	683,490	683,490	0.0	683,490
507 COMP REL IN AGRIC	2	0.0	126,131	126,131	0.0	126,131
508 DOMESTIC MKT OEVELP	4	0.0	376,072	376,072	0.0	376,072
509 PERFORMANCE MKTG SYS	4	0.0	326,885	326,885	0.0	326,885
510 GROUP ACT MKT POWER	2	0.0	91,482	91,482	0.0	91,482
511 IMP AGRIC STATISTICS	2	0.0	101,377	101,377	0.0	101,377
512 IMP GRADES FRST PROO	1	0.0	37,000	37,000	0.0	0
SUBTOTAL		0.0	2,652,822	2,652,822	0.0	2,615,822
SERIES 600						
601 FGN MKT OEVELP	9	0.0	2,616,172	2,616,172	0.0	2,616,172
604 PRO OVLPMT/MKTG FRGN	2	0.0	53,746	53,746	0.0	53,746
SUBTOTAL		0.0	2,669,918	2,669,918	0.0	2,669,918
SERIES 700						
701 TOX RES IN FOOD	40	0.0	3,376,033	3,376,033	0.0	3,376,033
702 FOOD PROT FROM TOX	4	0.0	1,144,588	1,144,588	0.0	1,144,588
703 FOOD CONSUMP HABITS	2	0.0	164,433	164,433	0.0	164,433
706 CONTR INSECTS AFF MAN	5	0.0	144,970	144,970	0.0	144,970
708 HUMAN NUTRITION	5	0.0	1,223,168	1,223,168	0.0	1,223,168
709 REDUCE HAZ HLTH & SFTY	1	0.0	2,942	2,942	0.0	2,942
SUBTOTAL		0.0	6,056,134	6,056,134	0.0	6,056,134
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.0	18,733	18,733	0.0	18,733
803 RURAL POVERTY	2	0.0	51,533	51,533	0.0	51,533
804 ECON POTENT RURL PED	3	0.0	600,567	600,567	0.0	600,567
805 COMMUNICAT EDUC PROC	4	0.0	308,654	308,654	0.0	308,654
806 ADJUSTMENT TO CHANGE	1	0.0	18,733	18,733	0.0	18,733
807 AGRIC ECONOMIC CHANGE	4	0.0	307,524	307,524	0.0	307,524
808 GOVT PROGRAMS	5	0.0	580,582	580,582	0.0	580,582
SUBTOTAL		0.0	1,886,326	1,886,326	0.0	1,886,326
SERIES 900						
901 ALLEY POLLUTION	48	0.0	5,827,744	5,827,744	0.0	5,762,644
902 OUTDOOR RECREATION	1	0.0	10,800	10,800	0.0	10,800
904 WLDFE AND FISH ECOL	21	0.0	4,705,805	4,705,805	0.0	3,925,882
905 TREES BEAUTIFICATION	1	0.0	3,532	3,532	0.0	3,532
906 ORNAMENT & TURF OEV	8	0.0	482,666	482,666	0.0	482,666
907 RURAL INCOME IMP	5	0.0	220,107	220,107	0.0	220,107
908 RURAL INSTITUT IMP	5	0.0	192,026	192,026	0.0	192,026
SUBTOTAL		0.0	11,442,680	11,442,680	0.0	10,597,657
SCIENCE IN SERV OF MAN GRAND TOTAL		0.0	64,475,030	64,475,030	0.0	62,070,789

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOITY --

COMPETITIVE RESEARCH GRANTS OFFICE

CRGO

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0600 TIMBER FORST PRODUCT	41	0.0	3,404,402	3,404,402	0.0	2,644,676
0900 CITRUS SUB TROP FRUT	1	0.0	50,000	50,000	0.0	50,000
1000 FRUIT NUTS DECIDUOUS	4	0.0	287,500	287,500	0.0	287,500
1100 POTATOES	1	0.0	102,000	102,000	0.0	0
1200 VEGETABLES	18	0.0	1,749,400	1,749,400	0.0	1,311,388
1300 ORNAMENTALS TURF	3	0.0	314,000	314,000	0.0	144,000
1400 CORN	19	0.0	1,551,265	1,551,265	0.0	987,865
1500 GRAIN SORGHUM	1	0.0	12,009	12,009	0.0	12,008
1600 RICE	2	0.0	140,000	140,000	0.0	140,000
1700 WHEAT	6	0.0	579,000	579,000	0.0	510,500
1800 OTHER SMALL GRAINS	4	0.0	331,500	331,500	0.0	135,500
2000 FORAGE CROPS	1	0.0	72,000	72,000	0.0	0
2100 COTTON	4	0.0	404,000	404,000	0.0	210,000
2300 SOYBEANS	10	0.0	793,751	793,751	0.0	573,000
2600 TOBACCO	5	0.0	455,000	455,000	0.0	340,000
2800 MISC NEW CROPS	1	0.0	100,000	100,000	0.0	0
2900 POULTRY	10	0.0	1,674,000	1,674,000	0.0	1,404,000
3000 BEEF CATTLE	18	0.0	3,018,112	3,018,112	0.0	2,293,112
3100 DAIRY CATTLE	8	0.0	1,345,164	1,345,164	0.0	1,345,164
3200 SWINE	11	0.0	1,649,000	1,649,000	0.0	1,499,000
3300 SHEEP AND WOOL	6	0.0	784,000	784,000	0.0	445,000
3400 OTHER ANIMALS	3	0.0	444,188	444,188	0.0	0
3800 FOOD	3	0.0	329,055	329,055	0.0	329,055
4000 PEOPLE AS INDIVIDUALS	7	0.0	526,166	526,166	0.0	407,284
6100 WEEOS	2	0.0	175,000	175,000	0.0	175,000
6300 BIO CELL SYSTEMS	5	0.0	425,850	425,850	0.0	277,250
6500 INVERTEBRATES	44	0.0	3,704,550	3,704,550	0.0	2,576,750
6600 MICROORGANISMS VIRUSES	59	0.0	4,893,736	4,893,736	0.0	3,223,600
6700 PLANTS	91	0.0	8,178,986	8,178,986	0.0	4,795,386
6800 ANIMALS(VERTEBRATES)	13	0.0	1,876,329	1,876,329	0.0	1,502,645
TOTAL		0.0	39,369,963	39,369,963	0.0	27,619,683

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

COMPETITIVE RESEARCH GRANTS OFFICE

CRGO

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
102 SOIL PLNT WTR NUTRI	3	0.0	444,000	444,000	0.0	294,000
103 MGMT OF SALINE SOILS	1	0.0	60,000	60,000	0.0	60,000
105 CONSERV USE OF WATER	2	0.0	162,000	162,000	0.0	162,000
110 APPRAIS FORST & RANGS	1	0.0	81,100	81,100	0.0	81,100
111 BIOL CULT MGMT FORSTS	6	0.0	649,826	649,826	0.0	532,826
SUBTOTAL		0.0	1,396,926	1,396,926	0.0	1,129,926
SERIES 200						
201 CNTRL FORST INSECTS	5	0.0	358,000	358,000	0.0	188,000
202 CONTROL FOREST DIS	3	0.0	193,000	193,000	0.0	193,000
204 CNTR PESTS FRT & VEGS	3	0.0	240,500	240,500	0.0	240,500
205 CNTR DISE FRT & VEG	14	0.0	1,012,600	1,012,600	0.0	892,600
206 CNTR WEEOS FRT & VEG	2	0.0	205,000	205,000	0.0	105,000
207 CNTR PESTS FLO CROPS	14	0.0	1,039,000	1,039,000	0.0	1,014,000
208 CNTR DIS FLELO CROPS	22	0.0	1,694,600	1,694,600	0.0	1,269,600
209 CNTR WEEOS FLO CROPS	4	0.0	327,000	327,000	0.0	161,000
211 CNTR DIS ANIMALS	17	0.0	3,289,158	3,289,158	0.0	2,889,158
212 CNTR INTER PARASITES	1	0.0	225,000	225,000	0.0	225,000
214 PROTECT FROM POLLUTION	4	0.0	525,000	525,000	0.0	260,000
SUBTOTAL		0.0	9,108,858	9,108,858	0.0	7,437,858
SERIES 300						
301 GENET BREED FORST TRE	4	0.0	509,000	509,000	0.0	509,000
304 IMP BIO EFF FRT & VEGS	15	0.0	1,235,150	1,235,150	0.0	797,138
307 IMP BIO EFF FLO CRP	55	0.0	5,304,361	5,304,361	0.0	3,487,610
310 ANIMAL REPRODUCTION	26	0.0	4,164,164	4,164,164	0.0	2,970,164
311 IMP BIO EFF ANML PR	13	0.0	2,006,500	2,006,500	0.0	1,766,500
318 NON COM BIO TECH/BIMET	124	0.0	11,838,886	11,838,886	0.0	7,059,750
SUBTOTAL		0.0	25,058,061	25,058,061	0.0	16,590,162
SERIES 400						
401 NEW IMP FOREST PROO	25	0.0	1,790,728	1,790,728	0.0	1,148,000
402 PROO F & V IMP ACCEPT	3	0.0	241,650	241,650	0.0	139,650
405 PROO FLO CROP IMP ACPT	1	0.0	650	650	0.0	650
406 NEW IMP FOOD FLO CROP	1	0.0	68,500	68,500	0.0	0
407 NEW IMP NON FOOD FC	1	0.0	80,000	80,000	0.0	0
SUBTOTAL		0.0	2,181,526	2,181,526	0.0	1,288,300
SERIES 700						
702 FOOD PROT FROM TOX	1	0.0	19,400	19,400	0.0	0
708 HUMAN NUTRITION	15	0.0	1,291,192	1,291,192	0.0	1,029,437
SUBTOTAL		0.0	1,310,592	1,310,592	0.0	1,029,437
SERIES 900						
906 ORNAMENT & TURF DEV	3	0.0	314,000	314,000	0.0	144,000
SUBTOTAL		0.0	314,000	314,000	0.0	144,000
SCIENCE IN SERV OF MAN GRAND TOTAL		0.0	39,369,963	39,369,963	0.0	27,619,683

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

ECONOMIC RESEARCH SERVICE

ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	17	24.2	3,469,450	3,469,450	0.0		0
0200 WATER	13	12.3	1,874,900	1,874,900	0.0		0
0300 WATERSHEDS RIVER BAS	3	1.3	199,400	199,400	0.0		0
0500 RECREATION RESOURCES	1	0.9	135,000	135,000	0.0		0
0800 WILDLIFE AND FISH	1	0.8	117,740	117,740	0.0		0
0900 CITRUS SUB TROP FRUT	1	2.0	292,400	292,400	0.0		0
1000 FRUIT NUTS DECIDUOUS	1	2.0	292,400	292,400	0.0		0
1100 POTATOES	1	3.0	568,640	568,640	0.0		0
1200 VEGETABLES	1	0.8	142,160	142,160	0.0		0
1300 ORNAMENTALS TURF	1	1.0	146,200	146,200	0.0		0
1400 CORN	3	5.2	908,360	910,800	0.0		0
1500 GRAIN SORGHUM	2	1.1	229,760	229,760	0.0		0
1600 RICE	3	2.5	401,180	402,400	0.0		0
1700 WHEAT	3	5.8	871,930	873,150	0.0		0
1800 OTHER SMALL GRAINS	3	1.7	311,070	311,070	0.0		0
1900 PASTURE	1	0.4	73,800	73,800	0.0		0
2000 FORAGE CROPS	2	1.1	215,000	215,000	0.0		0
2100 COTTON	4	7.6	1,284,500	1,285,720	0.0		0
2200 COTTONSEED	1	0.5	71,700	71,700	0.0		0
2300 SOYBEANS	4	5.3	992,200	993,420	0.0		0
2400 PEANUTS	1	0.7	95,600	95,600	0.0		0
2500 OTHER OILSEED CROPS	3	2.5	455,900	457,120	0.0		0
2600 TOBACCO	1	4.1	571,000	571,000	0.0		0
2700 SUGAR CROPS	2	5.8	844,100	844,100	0.0		0
2800 MISC NEW CROPS	1	1.6	218,660	218,660	0.0		0
2900 POULTRY	2	5.1	732,400	733,620	0.0		0
3000 BEEF CATTLE	3	10.2	1,813,600	1,814,820	0.0		0
3100 DAIRY CATTLE	4	7.5	1,116,400	1,132,620	0.0		0
3200 SWINE	2	6.4	1,017,600	1,017,600	0.0		0
3300 SHEEP AND WOOL	2	2.2	312,900	312,900	0.0		0
3500 BEES AND HONEY	1	1.4	196,400	196,400	0.0		0
3600 FARM SUPP & FACILITS	2	6.0	731,000	731,000	0.0		0
3800 FOOD	6	19.4	2,514,300	2,526,130	0.0		0
4000 PEOPLE AS INDIVIDUALS	5	3.6	590,500	590,500	0.0		0
4100 FAMILY MEMBERS	6	8.6	1,318,500	1,318,500	0.0		0
4200 FARM AS BUSINESS	5	6.3	1,026,750	1,026,750	0.0		0
4300 SOC POLIT ORGANIZ	10	12.7	1,982,750	1,982,750	0.0		0
4400 AGRIC ECONOMY U S	41	73.0	9,999,250	9,999,250	0.0		0
4500 AGRIC ECONOMY FORGN	35	100.2	9,511,200	9,516,270	0.0		0
4800 MARKETING SYSTEMS	3	21.1	3,246,000	3,253,300	0.0		0
6700 PLANTS	1	2.3	365,000	365,000	0.0		0
6900 RESEARCH DN RSCH MGMT	1	0.0	7,000	7,000	0.0		0
TOTAL		380.1	51,264,600	51,316,000	0.0		0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

ECONOMIC RESEARCH SERVICE

ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
SERIES 100							
102 SOIL PLNT WTR NUTRI	3	4.9	753,250	753,250	0.0		0
104 ALTERN USE OF LAND	15	25.5	3,641,000	3,641,000	0.0		0
105 CONSERV USE OF WATER	3	2.5	383,000	383,000	0.0		0
108 ECON LEG PROB OF WAT	3	5.0	766,500	766,500	0.0		0
114 RSCH ON MGMT OF RSCH	1	0.0	7,000	7,000	0.0		0
SUBTOTAL		37.9	5,550,750	5,550,750	0.0		0
SERIES 300							
314 BEES OTH POLLNTNG INS	1	1.4	196,400	196,400	0.0		0
316 FARM BUSINESS MGMT	3	3.9	611,800	611,800	0.0		0
SUBTOTAL		5.3	808,200	808,200	0.0		0
SERIES 500							
503 MKTG EFF AGRI PRODS	6	10.6	1,606,800	1,606,800	0.0		0
506 SPLY DEMAND AND PRIC	32	70.3	10,577,050	10,592,050	0.0		0
507 COMP REL IN AGRIC	3	9.3	1,433,500	1,433,500	0.0		0
508 DOMESTIC MKT DEVELP	3	2.2	282,500	282,500	0.0		0
509 PERFORMANCE MKTG SYS	10	36.8	6,390,900	6,398,200	0.0		0
SUBTOTAL		129.3	20,290,750	20,313,050	0.0		0
SERIES 600							
601 FGN MKT DEVELP	36	107.3	11,158,300	11,182,330	0.0		0
602 EVAL FGN FOOD AID PGM	2	7.4	345,200	350,270	0.0		0
603 TECH AID DEV CRTG	2	1.4	215,400	215,400	0.0		0
604 PRD DVLPMT/MKTG FRGN	1	1.0	119,500	119,500	0.0		0
SUBTOTAL		117.0	11,838,400	11,867,500	0.0		0
SERIES 700							
701 TOX RES IN FOOD	1	1.2	22,500	22,500	0.0		0
702 FOOD PROT FROM TOX	1	1.5	244,750	244,750	0.0		0
703 FOOD CONSUMP HABITS	3	5.1	769,450	769,450	0.0		0
708 HUMAN NUTRITION	1	0.6	97,900	97,900	0.0		0
SUBTOTAL		8.4	1,134,600	1,134,600	0.0		0
SERIES 800							
804 ECON POTENT RURL PEO	7	6.2	928,000	928,000	0.0		0
805 COMMUNICAT EDUC PROC	2	1.2	210,000	210,000	0.0		0
806 ADJUSTMENT TO CHANGE	4	6.0	972,000	972,000	0.0		0
807 AGRIC ECONOMIC CHANGE	28	41.0	5,595,950	5,595,950	0.0		0
808 GOVT PROGRAMS	11	15.1	2,021,250	2,021,250	0.0		0
SUBTOTAL		69.5	9,727,200	9,727,200	0.0		0
SERIES 900							
902 OUTDOOR RECREATION	1	0.9	126,500	126,500	0.0		0
904 WLOLFE AND FISH ECOL	1	1.0	146,200	146,200	0.0		0
906 ORNAMENT & TURF DEV	1	1.9	267,000	267,000	0.0		0
907 RURAL INCOME IMP	1	7.9	1,240,000	1,240,000	0.0		0
908 RURAL INSTITUT IMP	5	12.7	1,914,700	1,914,700	0.0		0
SUBTOTAL							
SCIENCE IN SERV OF MAN							
GRAND TOTAL		380.1	51,264,600	51,316,000	0.0		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

U S FOREST SERVICE

FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	19	12.4	3,041,304	3,164,099	0.0		0
0200 WATER	9	7.7	1,327,114	1,347,315	0.0		0
0300 WATERSHEDS RIVER BAS	51	40.4	8,308,439	8,825,766	0.0		0
0400 AIR AND CLIMATE	10	4.9	1,187,561	1,294,356	0.0		0
0500 RECREATION RESOURCES	17	18.3	3,054,148	3,369,685	0.0		0
0600 TIMBER FORST PRODUCT	451	539.4	114,363,309	122,094,136	0.0		0
0700 RANGE	36	20.3	3,526,166	4,073,640	0.0		0
0800 WILDLIFE AND FISH	62	45.1	10,808,487	11,554,142	0.0		0
3900 HOUSING & EQUIP	4	5.0	1,014,851	1,132,793	0.0		0
4800 MARKETING SYSTEMS	1	0.2	20,930	20,930	0.0		0
6500 INVERTEBRATES	3	1.5	281,712	283,059	0.0		0
6900 RESEARCH ON RSCH MGMT	3	1.0	247,693	247,693	0.0		0
TOTAL		696.2	147,181,715	157,407,615	0.0		0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

U S FOREST SERVICE

FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
SERIES 100							
102 SOIL PLNT WTR NUTRI	23	19.9	2,814,066	2,934,502	0.0		0
104 ALTERN USE OF LAND	3	1.0	243,729	277,397	0.0		0
105 CONSERV USE OF WATER	1	0.8	212,565	232,766	0.0		0
107 WATERSHED PROT & MGMT	50	43.8	8,947,048	9,411,448	0.0		0
109 WEATHER ADAPT & MOD	3	1.8	238,359	240,979	0.0		0
110 APPRAIS FORST & RANGS	30	45.3	15,004,369	15,546,101	0.0		0
111 BIOL CULT MGMT FORSTS	139	148.5	25,372,471	27,036,235	0.0		0
112 IMPROV RANGE RESOR	17	9.7	1,717,961	1,846,239	0.0		0
113 REMOTE SENSING	1	0.0	373,861	373,861	0.0		0
114 RSCH ON MGMT OF RSCH	3	1.0	247,693	247,693	0.0		0
SUBTOTAL		271.9	55,172,121	58,147,220	0.0		0
SERIES 200							
201 CNTRL FORST INSECTS	64	69.0	15,172,907	15,276,189	0.0		0
202 CONTROL FOREST OIS	52	41.2	9,637,416	10,307,993	0.0		0
203 FOREST FIRE PROTECT	31	35.1	6,776,492	7,412,626	0.0		0
207 CNTR PESTS FLD CROPS	1	0.0	2,754	24,301	0.0		0
208 CNTR OIS FIELD CROPS	2	0.8	107,406	134,339	0.0		0
214 PROTECT FROM POLLUTION	7	12.0	5,341,064	5,359,676	0.0		0
SUBTOTAL		158.1	37,038,039	38,515,124	0.0		0
SERIES 300							
301 GENET BREED FORST TRE	26	23.3	4,933,847	5,322,430	0.0		0
302 IMP FOREST ENG SYS	15	19.8	3,224,925	3,316,604	0.0		0
303 ECON TIMBER PRODUCTN	21	14.4	2,119,270	2,365,052	0.0		0
SUBTOTAL		57.5	10,278,042	11,004,086	0.0		0
SERIES 400							
401 NEW IMP FOREST PROO	69	82.0	19,159,411	22,265,737	0.0		0
SUBTOTAL		82.0	19,159,411	22,265,737	0.0		0
SERIES 500							
502 MKTG TIMBER PRODUCTS	2	0.6	257,613	257,613	0.0		0
509 PERFORMANCE MKTG SYS	1	0.2	20,930	20,930	0.0		0
512 IMP GRADES FRST PROO	6	8.4	862,004	956,284	0.0		0
513 PRICE ANAL FRST PROO	13	17.6	3,028,022	3,150,795	0.0		0
SUBTOTAL		26.8	4,168,569	4,385,622	0.0		0
SERIES 800							
801 RURAL HOUSING	4	5.0	1,014,851	1,132,793	0.0		0
SUBTOTAL		5.0	1,014,851	1,132,793	0.0		0
SERIES 900							
901 ALLEV POLLUTION	26	14.0	4,645,614	4,790,185	0.0		0
902 OUTDOOR RECREATION	16	17.3	2,678,758	2,977,914	0.0		0
903 MULTI USE FOREST POTEN	17	15.3	1,862,553	2,278,973	0.0		0
904 WOLFE AND FISH ECOL	55	47.1	10,982,860	11,729,064	0.0		0
905 TREES BEAUTIFICATION	3	1.1	180,897	180,897	0.0		0
SUBTOTAL		94.8	20,350,682	21,957,033	0.0		0
SCIENCE IN SERV OF MAN							
GRAND TOTAL		696.2	147,181,715	157,407,615	0.0		0



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	4	0.0	474,545	474,545	0.0		0
0200 WATER	2	0.0	173,964	173,964	0.0		0
0500 RECREATION RESOURCES	1	0.0	22,296	22,296	0.0		0
0600 TIMBER FORST PRODUCT	6	0.0	627,664	627,664	0.0		0
0800 WILDLIFE AND FISH	6	0.0	466,206	466,206	0.0		0
1000 FRUIT NUTS DECIDUOUS	1	0.0	205,000	205,000	0.0		0
1100 POTATOES	1	0.0	209,933	209,933	0.0		0
1400 CORN	4	0.0	149,038	149,038	0.0		0
1700 WHEAT	3	0.0	265,000	265,000	0.0		0
2000 FORAGE CROPS	1	0.0	49,803	49,803	0.0		0
2800 MISC NEW CROPS	1	0.0	24,919	24,919	0.0		0
2900 POULTRY	2	0.0	98,763	98,763	0.0		0
3100 DAIRY CATTLE	2	0.0	100,000	100,000	0.0		0
3200 SWINE	2	0.0	228,850	228,850	0.0		0
3400 OTHER ANIMALS	1	0.0	24,919	24,919	0.0		0
3800 FOOD	4	0.0	489,160	489,160	0.0		0
4000 PEOPLE AS INDIVIDUALS	1	0.0	50,000	50,000	0.0		0
4100 FAMILY MEMBERS	1	0.0	50,000	50,000	0.0		0
4300 SOC POLIT ORGANIZ	2	0.0	71,533	71,533	0.0		0
6700 PLANTS	3	0.0	149,500	149,500	0.0		0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	175,000	175,000	0.0		0
TOTAL		0.0	4,106,091	4,106,091	0.0		0

TABLE II-C SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
SERIES 100							
102 SOIL PLNT WTR NUTRI	3	0.0	424,900	424,900	0.0		0
106 DRAIN AND IRRIGATION	1	0.0	48,964	48,964	0.0		0
111 BIOL CULT MGMT FORSTS	1	0.0	190,000	190,000	0.0		0
113 REMOTE SENSING	1	0.0	120,000	120,000	0.0		0
SUBTOTAL		0.0	783,864	783,864	0.0		0
SERIES 200							
203 FOREST FIRE PROTECT	1	0.0	47,981	47,981	0.0		0
205 CNTR DISE FRT & VEG	1	0.0	205,000	205,000	0.0		0
211 CNTR DIS ANIMALS	1	0.0	180,000	180,000	0.0		0
SUBTOTAL		0.0	432,981	432,981	0.0		0
SERIES 300							
301 GENET BREED FORST TRE	1	0.0	49,683	49,683	0.0		0
302 IMP FOREST ENG SYS	1	0.0	175,000	175,000	0.0		0
304 IMP BIO EFF FRT & VEGS	1	0.0	209,933	209,933	0.0		0
305 MECH PROD FRT & VEGS	1	0.0	50,000	50,000	0.0		0
306 PROD MGMT SYS F & V	2	0.0	99,500	99,500	0.0		0
307 IMP BIO EFF FLD CRP	2	0.0	98,841	98,841	0.0		0
308 MECH PROD FELD CROPS	1	0.0	24,919	24,919	0.0		0
310 ANIMAL REPRODUCTION	2	0.0	99,913	99,913	0.0		0
311 IMP BIO EFF ANML PR	3	0.0	123,769	123,769	0.0		0
313 PROD MGMT SYS ANML PR	1	0.0	48,850	48,850	0.0		0
SUBTOTAL		0.0	980,407	980,407	0.0		0
SERIES 400							
401 NEW IMP FOREST PROD	3	0.0	220,000	220,000	0.0		0
406 NEW IMP FOOD FLD CROP	2	0.0	385,000	385,000	0.0		0
407 NEW IMP NON FOOD FC	1	0.0	50,000	50,000	0.0		0
408 MKT QUAL FELD CROPS	2	0.0	270,000	270,000	0.0		0
SUBTOTAL		0.0	925,000	925,000	0.0		0
SERIES 700							
702 FOOD PROT FROM TOX	3	0.0	149,160	149,160	0.0		0
SUBTOTAL		0.0	149,160	149,160	0.0		0
SERIES 800							
805 COMMUNICAT EDUC PROC	1	0.0	50,000	50,000	0.0		0
SUBTOTAL		0.0	50,000	50,000	0.0		0
SERIES 900							
901 ALLEV POLLUTION	2	0.0	174,645	174,645	0.0		0
902 OUTDOOR RECREATION	1	0.0	22,296	22,296	0.0		0
904 WLOLFE AND FISH ECOL	6	0.0	466,206	466,206	0.0		0
907 RURAL INCOME IMP	2	0.0	72,296	72,296	0.0		0
908 RURAL INSTITUT IMP	1	0.0	49,237	49,237	0.0		0
SUBTOTAL		0.0	784,679	784,679	0.0		0
SCIENCE IN SERV OF MAN							
GRAND TOTAL		0.0	4,106,091	4,106,091	0.0		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1142	338.5	8,644,796	77,496,902	*	4,103,386
0200 WATER	732	198.0	4,554,251	46,556,880	*	2,991,721
0300 WATERSHEDS RIVER BAS	187	47.2	1,085,714	11,401,251	*	846,681
0400 AIR AND CLIMATE	117	37.4	676,881	7,933,527	*	138,468
0500 RECREATION RESOURCES	140	44.1	698,816	7,430,329	*	529,675
0600 TIMBER FORST PRODUCT	1488	578.2	17,016,032	119,619,518	*	13,142,784
0700 RANGE	281	86.5	2,203,507	18,685,307	*	1,218,526
0800 WILDLIFE AND FISH	814	284.3	9,481,159	75,403,593	*	4,827,536
0900 CITRUS SUB TROP FRUT	301	115.1	1,542,149	23,914,326	*	1,839,685
1000 FRUIT NUTS DECIDUOUS	903	322.7	8,435,869	70,269,225	*	3,224,418
1100 POTATOES	327	91.6	2,081,818	21,276,948	*	3,214,384
1200 VEGETABLES	1310	444.7	12,970,072	95,477,947	*	5,006,409
1300 ORNAMENTALS TURF	570	209.2	5,607,283	42,211,514	*	841,298
1400 CORN	855	197.6	6,107,379	48,541,766	*	2,517,861
1500 GRAIN SORGHUM	269	61.8	1,121,555	13,057,795	*	483,130
1600 RICE	143	49.4	3,554,734	13,942,150	*	697,148
1700 WHEAT	696	197.0	3,823,955	42,214,001	*	2,526,980
1800 OTHER SMALL GRAINS	347	77.7	1,926,817	17,837,208	*	813,389
1900 PASTURE	114	24.6	960,114	5,000,143	*	151,765
2000 FORAGE CROPS	741	193.3	6,382,162	44,017,816	*	2,467,800
2100 COTTON	327	108.9	2,319,479	22,645,390	*	1,088,608
2200 COTTONSEED	8	1.0	21,092	225,248	*	8,655
2300 SOYBEANS	821	212.1	7,454,759	47,532,510	*	2,510,933
2400 PEANUTS	148	44.4	883,326	10,081,962	*	340,478
2500 OTHER OILSEED CROPS	133	38.4	1,191,988	8,508,614	*	1,157,671
2600 TOBACCO	147	53.3	936,618	12,464,462	*	186,968
2700 SUGAR CROPS	123	40.3	1,220,660	8,788,752	*	241,275
2800 MISC NEW CROPS	174	38.7	1,188,597	12,534,584	*	2,474,280
2900 POULTRY	747	256.0	8,996,739	65,135,279	*	2,381,198
3000 BEEF CATTLE	1319	461.2	12,644,160	132,285,909	*	6,432,482
3100 DAIRY CATTLE	1161	349.5	11,487,330	101,419,550	*	3,959,004
3200 SWINE	773	212.8	8,621,212	61,168,764	*	4,702,791
3300 SHEEP AND WOOL	375	104.6	2,981,201	28,136,902	*	3,139,997
3400 OTHER ANIMALS	601	204.7	5,791,280	49,511,100	*	1,122,053
3500 BEES AND HONEY	46	13.5	324,084	3,082,945	*	340,679
3600 FARM SUPP & FACILITS	92	29.8	740,932	5,722,870	*	379,687
3700 CLOTHING & TEXTILES	96	22.2	959,938	3,301,913	*	45,723
3800 FOOD	428	173.4	5,137,906	37,114,675	*	2,293,933
3900 HOUSING & EQUIP	142	45.5	1,486,900	8,344,279	*	414,662
4000 PEOPLE AS INDIVIDUALS	576	172.4	5,128,262	34,565,566	*	919,102
4100 FAMILY MEMBERS	280	73.8	1,768,539	12,193,958	*	697,521
4200 FARM AS BUSINESS	205	70.0	1,856,983	9,864,945	*	501,210
4300 SOC POLIT ORGANIZ	339	111.2	3,563,919	19,048,706	*	1,346,047
4400 AGRIC ECONOMY U S	155	60.2	1,541,330	12,862,221	*	3,004,472
4500 AGRIC ECONOMY FORGN	49	33.8	688,576	10,893,696	*	2,257,324
4600 FARM COOPERATIVES	26	4.9	116,183	928,934	*	82,354
4700 OTH MARKET PROCESS	23	4.5	186,666	769,184	*	28,959
4800 MARKETING SYSTEMS	70	19.9	650,634	3,390,718	*	355,004
6100 WEEDS	132	31.4	873,324	7,281,680	*	417,821
6200 SEED RESEARCH	63	22.2	273,875	5,559,122	*	158,296
6300 BIO CELL SYSTEMS	281	103.3	1,848,285	28,740,812	*	655,335
6400 EXP DESIGN/STAT METHOD	103	38.1	7,002,701	7,007,449	*	1,131,956
6500 INVERTEBRATES	495	153.0	3,964,568	31,877,282	*	2,803,817
6600 MICROORGANISMS VIRUSES	571	163.4	4,509,557	42,336,743	*	4,174,666
6700 PLANTS	929	277.9	7,121,148	70,188,906	*	10,364,713
6800 ANIMALS(VERTEBRATES)	536	265.6	3,605,190	68,893,313	*	2,006,548
6900 RESEARCH ON RSCH MGMT	38	12.6	580,383	8,952,290	*	124,011
7000 RSCH EQUIP & TECHNOLOGY	140	40.9	1,193,802	11,357,460	*	849,718
TOTAL		7666.0	210,117,193	1,807,006,839	*	116,682,977

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA -- NATIONAL TOTAL SAEs - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAEs AMOUNT 1990
<b>SERIES 100</b>						
101 APPRAIS OF SOIL RESOR	218	77.5	1,696,390	15,964,630	*	745,237
102 SOIL PLNT WTR NUTRI	834	274.6	7,313,723	60,120,861	*	3,248,659
103 MGMT OF SALINE SOILS	78	20.8	646,943	5,892,522	*	224,070
104 ALTERN USE OF LAND	131	32.3	841,835	5,701,958	*	105,175
105 CONSERV USE OF WATER	320	89.6	1,940,693	20,250,243	*	1,261,357
106 DRAIN AND IRRIGATION	123	36.0	705,514	8,759,640	*	258,984
107 WATERSHED PROT & MGMT	203	56.8	1,209,287	13,654,654	*	1,359,873
108 ECON LEG PROB OF WAT	65	20.7	524,053	3,163,974	*	125,792
109 WEATHER ADAPT & MOD	152	46.9	1,111,341	10,052,053	*	361,474
110 APPRAIS FORST & RANGS	158	43.7	1,280,867	9,249,840	*	639,269
111 BIOL CULT MGMT FORSTS	414	165.2	4,916,235	32,679,522	*	3,994,255
112 IMPROV RANGE RESOR	195	55.8	1,503,566	11,367,925	*	730,649
113 REMOTE SENSING	76	23.7	629,830	4,877,332	*	328,743
114 RSCH ON MGMT OF RSCH	37	12.6	580,119	8,948,277	*	124,011
SUBTOTAL		956.1	24,900,398	210,683,531	*	13,507,548
<b>SERIES 200</b>						
201 CNTRL FORST INSECTS	153	35.5	1,337,599	8,418,789	*	1,670,398
202 CONTROL FOREST DIS	131	39.8	1,384,636	7,684,121	*	661,440
203 FOREST FIRE PROTECT	9	1.0	34,309	186,828	*	18,609
204 CNTR PESTS FRT & VEGS	497	141.2	3,440,130	30,792,311	*	1,842,281
205 CNTR DISE FRT & VEG	743	240.0	5,137,302	50,346,094	*	4,049,220
206 CNTR WEEDS FRT & VEG	171	38.2	1,269,410	8,306,084	*	344,256
207 CNTR PESTS FLD CROPS	598	186.9	5,448,553	37,389,139	*	3,461,220
208 CNTR DIS FLD CROPS	693	228.6	5,549,440	46,034,308	*	2,622,733
209 CNTR WEEDS FLD CROPS	320	107.2	2,833,669	24,654,121	*	1,591,900
210 CNTR PESTS ANIMALS	150	41.0	1,114,626	9,397,019	*	504,881
211 CNTR DIS ANIMALS	1331	593.3	8,608,495	140,635,887	*	7,132,223
212 CNTR INTER PARASITES	119	30.4	736,249	6,701,649	*	380,287
213 PROT ANMLS FROM TOXINS	135	84.5	939,679	22,181,068	*	256,519
214 PROTECT FROM POLLUTION	224	65.6	1,784,830	19,984,500	*	2,437,684
SUBTOTAL		1833.1	39,618,927	412,711,920	*	26,973,650
<b>SERIES 300</b>						
301 GENET BREED FORST TRE	118	59.0	1,713,415	12,662,537	*	484,084
302 IMP FOREST ENG SYS	46	17.5	292,719	3,475,045	*	510,272
303 ECON TIMBER PRODUCTN	72	21.8	781,143	4,346,120	*	198,169
304 IMP BIO EFF FRT & VEGS	932	327.8	9,431,770	74,427,625	*	4,581,579
305 MECH PROD FRT & VEGS	80	19.4	597,190	4,111,992	*	78,489
306 PROD MGMT SYS F & V	130	33.2	909,765	8,467,723	*	371,773
307 IMP BIO EFF FLD CRP	1284	516.2	14,117,764	125,284,874	*	6,335,153
308 MECH PROD FLD CROPS	87	29.7	663,299	6,151,743	*	284,149
309 PROD MGMT SYS FLD CRP	357	93.8	2,240,475	19,280,711	*	658,895
310 ANIMAL REPRODUCTION	591	211.3	9,973,824	66,013,592	*	5,346,776
311 IMP BIO EFF ANML PR	1172	469.5	19,765,584	154,826,858	*	5,669,752
312 ENV STRESS IN ANML PR	176	56.8	1,514,805	13,315,541	*	90,160
313 PROD MGMT SYS ANML PR	261	56.4	1,955,844	17,165,042	*	459,711
314 BEES OTH POLLUTNG INS	46	13.5	324,084	5,082,945	*	340,679
315 IMP STRUC FARM SUPP	92	37.6	1,023,835	6,841,032	*	454,487
316 FARM BUSINESS MGMT	155	50.0	1,229,543	6,908,740	*	317,972
317 MECH/STRUCTS ANML PRO	22	6.6	99,017	1,214,285	*	25
318 NON COM BIO TECH/BIMET	1503	531.3	13,521,876	137,948,560	*	11,252,893
SUBTOTAL		2553.4	80,155,952	663,524,965	*	37,435,019
<b>SERIES 400</b>						
401 NEW IMP FOREST PROD	275	116.1	2,500,638	25,647,144	*	2,458,296
402 PROD F & V IMP ACCEPT	268	50.5	975,291	12,310,300	*	648,822
403 NEW & IMP F & V PROD	169	56.1	1,249,107	11,295,937	*	174,274
404 MKT QUAL FRTS & VEGS	187	64.4	1,619,544	13,380,302	*	577,106
405 PROD FLD CROP IMP ACPT	268	77.2	1,794,734	23,289,185	*	1,132,511
406 NEW IMP FOOD FLD CROP	155	45.9	1,471,262	11,104,720	*	900,357
407 NEW IMP NON FOOD CRO	95	25.9	614,500	7,355,888	*	1,254,165
408 MKT QUAL FLD CROPS	82	30.3	818,079	5,283,939	*	61,664
409 PROD ANML PR IMP ACCP	164	57.1	2,201,188	15,912,115	*	456,684
410 IMP MEAT MILK EGG PR	242	82.5	2,353,809	18,175,813	*	310,959
411 IMP NON FOOD ANML PR	17	5.7	146,373	1,000,251	*	2,135
412 MKT QUAL ANIMAL PROD	87	23.0	607,574	5,332,659	*	99,595
SUBTOTAL		634.6	16,352,100	150,088,253	*	8,076,568
<b>SERIES 500</b>						
501 IMP GRADES & STANDS	49	10.4	310,405	2,285,426	*	109,515
502 MKTG TIMBER PRODUCTS	39	10.8	232,012	1,600,215	*	378,954
503 MKTG EFF AGRI PRODS	144	40.2	1,102,726	6,622,003	*	711,670
506 SPLY DEMAND AND PRIC	196	60.3	1,970,415	11,088,808	*	1,788,393
507 COMP REL IN AGRIC	54	12.3	341,017	2,104,655	*	168,302
508 DOMESTIC MKT DEVELP	61	18.4	2,419,839	4,402,908	*	140,523
509 PERFORMANCE MKTG SYS	141	41.8	1,528,786	6,720,407	*	508,820
510 GROUP ACT MKT POWER	20	3.4	99,491	722,031	*	61,878
511 IMP AGRIC STATISTICS	41	8.0	176,332	2,717,642	*	1,194,419
512 IMP GRADES FRST PROD	10	1.8	150,639	724,767	*	462,652
513 PRICE ANAL FRST PROD	19	4.0	144,263	818,159	*	48,581
SUBTOTAL		211.5	8,475,926	39,805,020	*	5,573,706
<b>SERIES 600</b>						
601 FGN MKT DEVELP	124	59.2	1,824,858	15,419,358	*	3,817,320
602 EVAL FGN FOOD AID PGM	4	1.4	1,919	283,711	*	39,750
603 TECH AID DEV CRTV	47	30.1	103,218	11,695,474	*	257,875
604 PROD OVLPMT/MKTG FRGN	33	8.3	429,864	1,788,278	*	205,548
SUBTOTAL		98.9	2,359,860	29,184,820	*	4,320,494
<b>SERIES 700</b>						
701 TOX RES IN FOOD	134	45.7	1,463,819	10,684,271	*	2,829,067
702 FOOD PROT FROM TOX	162	54.5	1,642,007	14,292,101	*	1,048,388
703 FOOD CONSUMP HABITS	141	39.4	1,620,821	7,244,440	*	442,743
704 HOME COMM FOOD SERV	26	7.3	301,217	1,108,854	*	13,281
705 SEL CARE CLOTH & TEXTL	84	17.5	801,185	2,637,835	*	45,334
706 CONTR INSECTS AFF MAN	108	38.3	709,598	8,283,795	*	316,769
707 TRANS ANML MAN DIS	35	8.0	50,513	2,778,959	*	16,217
708 HUMAN NUTRITION	368	129.1	4,381,516	33,801,772	*	2,002,363
709 REDUCE HAZ HLTH & SFTY	71	17.8	227,867	3,498,909	*	23,643
SUBTOTAL		357.8	11,198,544	84,330,934	*	6,737,806

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 800						
801 RURAL HOUSING	57	13.2	657,280	2,172,261	*	4,213
802 INDIV & FAM DEC MAKING	209	56.0	1,211,030	7,782,260	*	52,508
803 RURAL POVERTY	22	4.2	88,520	678,363	*	66,857
804 ECON POTENT RURL PED	95	25.2	1,139,207	3,343,261	*	126,157
805 COMMUNICAT EDUC PROC	134	46.6	1,034,651	7,109,800	*	68,582
806 ADJUSTMENT TO CHANGE	185	51.3	1,378,125	8,104,419	*	233,214
807 AGRIC ECONOMIC CHANGE	148	56.3	1,432,149	8,676,337	*	544,257
808 GOVT PROGRAMS	48	16.4	328,850	3,933,151	*	1,194,568
SUBTOTAL		269.2	7,269,811	41,799,852	*	2,290,356
SERIES 900						
901 ALLEV POLLUTION	531	179.7	4,215,415	48,039,057	*	4,496,980
902 OUTDOOR RECREATION	132	44.0	821,745	7,254,229	*	494,142
903 MULTI USE FOREST POTEN	114	25.9	1,043,374	6,054,381	*	281,790
904 WDLFE AND FISH ECOL	691	235.2	6,220,805	61,994,908	*	4,540,443
905 TREES BEAUTIFICATION	95	21.2	611,514	4,008,941	*	121,719
906 ORNAMENT & TURF DEV	518	181.1	4,877,985	37,131,956	*	753,910
907 RURAL INCOME IMP	113	33.9	881,598	5,157,220	*	422,901
908 RURAL INSTITUT IMP	135	30.6	1,303,240	5,236,852	*	655,946
SUBTOTAL		751.6	19,785,675	174,877,544	*	11,767,830
SCIENCE IN SERV OF MAN						
GRAND TOTAL		7666.0	210,117,193	1,807,006,839	*	116,682,977

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1081	321.0	7,741,829	74,484,975	*	3,988,324
0200 WATER	707	186.4	4,032,086	44,186,326	*	2,976,168
0300 WATERSHEDS RIVER BAS	145	34.7	824,826	8,156,952	*	734,828
0400 AIR AND CLIMATE	108	31.9	658,866	6,588,277	*	114,206
0500 RECREATION RESOURCES	99	30.8	607,418	5,606,348	*	434,385
0600 TIMBER FORST PRODUCT	1039	398.1	12,635,927	84,178,941	*	9,508,577
0700 RANGE	272	82.0	2,051,070	18,131,519	*	1,216,092
0800 WILDLIFE AND FISH	680	240.5	3,304,934	64,390,110	*	4,350,990
0900 CITRUS SUB TROP FRUIT	297	114.0	1,336,585	23,708,762	*	1,839,685
1000 FRUIT NUTS DECIDUOUS	892	316.6	7,830,592	69,845,729	*	3,224,418
1100 POTATOES	325	91.2	2,032,476	21,226,722	*	3,214,384
1200 VEGETABLES	1281	425.2	10,482,803	92,864,775	*	5,006,409
1300 ORNAMENTALS TURF	582	206.8	5,100,852	41,677,833	*	841,298
1400 CORN	839	194.9	5,152,815	47,218,405	*	2,517,861
1500 GRAIN SORGHUM	264	61.2	1,034,450	12,988,412	*	483,130
1600 RICE	143	49.4	554,734	13,942,150	*	697,148
1700 WHEAT	689	196.8	3,731,626	42,096,128	*	2,503,555
1800 OTHER SMALL GRAINS	341	76.9	1,790,181	17,551,882	*	807,533
1900 PASTURE	114	24.6	960,114	5,000,143	*	151,765
2000 FORAGE CROPS	731	189.9	5,873,426	43,466,098	*	2,467,800
2100 COTTON	325	108.9	2,313,363	22,631,560	*	1,088,608
2200 COTTONSEED	8	1.0	21,092	225,248	*	8,655
2300 SOYBEANS	795	194.9	5,078,508	44,995,763	*	2,510,933
2400 PEANUTS	145	41.7	737,187	9,876,136	*	340,478
2500 OTHER OILSEED CROPS	130	36.9	1,029,708	8,226,592	*	1,157,651
2600 TOBACCO	146	53.2	886,740	12,414,584	*	186,968
2700 SUGAR CROPS	123	40.3	1,220,660	8,788,752	*	241,275
2800 MISC NEW CROPS	172	38.1	1,112,707	12,456,057	*	2,474,280
2900 POULTRY	634	219.1	7,366,126	56,744,219	*	2,130,709
3000 BEEF CATTLE	1154	365.1	10,914,945	112,499,120	*	5,828,025
3100 DAIRY CATTLE	998	295.0	11,012,425	87,591,930	*	3,223,437
3200 SWINE	607	163.1	7,032,266	50,733,329	*	4,135,865
3300 SHEEP AND WOOL	330	79.7	2,757,370	22,492,585	*	2,874,665
3400 OTHER ANIMALS	278	76.5	1,768,109	20,341,581	*	946,905
3500 BEES AND HONEY	45	12.5	194,584	2,953,445	*	340,679
3600 FARM SUPP & FACILITS	90	29.4	708,292	5,614,276	*	379,687
3700 CLOTHING & TEXTILES	83	19.0	383,618	2,717,630	*	45,723
3800 FOOD	411	166.9	4,100,822	36,075,194	*	2,293,933
3900 HOUSING & EQUIP	128	42.6	1,202,330	7,786,873	*	414,662
4000 PEOPLE AS INDIVIDUALS	521	151.2	2,462,149	29,925,857	*	908,630
4100 FAMILY MEMBERS	267	70.4	1,364,108	11,693,404	*	697,521
4200 FARM AS BUSINESS	197	67.5	1,532,762	9,512,640	*	501,210
4300 SOC POLIT ORGANIZ	317	103.5	2,510,482	17,683,885	*	1,244,670
4400 AGRIC ECONOMY U S	152	60.0	1,078,721	12,393,294	*	3,004,472
4500 AGRIC ECONOMY FORGN	48	33.8	251,941	10,457,062	*	2,257,324
4600 FARM COOPERATIVES	28	4.9	116,183	928,934	*	82,354
4700 OTH MARKET PROCESS	22	4.3	131,782	714,298	*	28,959
4800 MARKETING SYSTEMS	85	18.2	391,800	3,106,936	*	355,004
5100 WEEDS	131	31.4	855,350	7,263,706	*	417,821
5200 SEED RESEARCH	63	22.2	273,875	5,559,122	*	158,296
5300 BIO CELL SYSTEMS	264	96.0	1,537,552	27,343,222	*	655,335
5400 EXP DESIGN/STAT METHOD	101	35.8	386,421	6,864,964	*	1,131,072
5500 INVERTEBRATES	455	143.2	2,555,019	29,813,393	*	2,692,090
5600 MICROORGANISMS VIRUSES	507	148.2	2,859,245	39,141,809	*	4,110,428
5700 PLANTS	863	264.5	4,391,878	66,567,375	*	10,302,387
5800 ANIMALS(VERTEBRATES)	377	134.4	2,565,901	36,840,579	*	1,979,344
5900 RESEARCH ON RSCH MGMT	35	10.9	482,412	8,765,633	*	123,911
7000 RSCH EQUIP & TECHNOLOGY	118	33.4	590,753	9,623,808	*	802,289
TOTAL		6690.2	163,896,599	1,596,455,283	*	109,154,812

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
<b>SERIES 100</b>							
101 APPRAIS OF SOIL RESOR	207	74.2	1,607,147	15,540,072	*		744,482
102 SOIL PLNT WTR NUTRI	784	258.2	6,318,451	56,858,111	*		2,813,333
103 MGMT OF SALINE SOILS	78	20.3	522,236	5,708,892	*		224,070
104 ALTERN USE OF LAND	122	31.7	785,769	5,553,297	*		104,162
105 CONSERV USE OF WATER	312	85.2	1,694,680	19,884,534	*		1,281,357
106 DRAIN AND IRRIGATION	122	35.9	692,094	8,748,219	*		258,984
107 WATERSHED PROT & MGMT	170	50.5	1,127,886	11,742,058	*		1,213,453
108 ECON LEG PROB OF WAT	64	20.8	524,053	3,155,468	*		125,792
109 WEATHER ADAPT & MOO	140	44.1	1,002,915	9,507,009	*		361,474
110 APPRAIS FORST & RANGS	111	34.5	947,337	7,332,723	*		538,204
111 BIOL CULT MGMT FORSTS	296	108.9	3,725,494	21,833,345	*		2,688,548
112 IMPROV RANGE RESOR	188	52.1	1,425,759	10,928,013	*		730,649
113 REMOTE SENSING	59	15.5	427,362	4,330,334	*		304,241
114 RSCH ON MGMT OF RSCH	34	10.9	482,148	8,761,620	*		123,911
SUBTOTAL		846.7	21,283,312	169,881,695	*		11,492,660
<b>SERIES 200</b>							
201 CNTRL FORST INSECTS	128	33.1	1,148,238	7,668,500	*		1,639,792
202 CONTROL FOREST DIS	108	34.2	1,100,117	6,955,518	*		603,022
203 FOREST FIRE PROTECT	5	0.7	31,309	130,637	*		4,392
204 CNTR PESTS FRT & VEGS	491	139.1	3,134,613	30,472,644	*		1,840,587
205 CNTR OISE FRT & VEG	736	237.0	4,882,365	50,088,701	*		4,049,220
206 CNTR WEEOS FRT & VEG	167	38.9	1,109,924	8,146,598	*		344,256
207 CNTR PESTS FLO CROPS	589	177.6	4,632,643	36,524,398	*		3,461,220
208 CNTR DIS FIELD CROPS	690	227.4	5,440,254	45,908,097	*		2,622,733
209 CNTR WEEOS FLO CROPS	318	107.2	2,809,055	24,625,806	*		1,588,199
210 CNTR PESTS ANIMALS	145	39.8	1,099,725	9,271,120	*		504,881
211 CNTR OIS ANIMALS	734	263.4	6,657,554	71,330,697	*		5,281,169
212 CNTR INTER PARASITES	89	24.9	717,878	5,317,495	*		297,180
213 PROT ANMLS FROM TOXINS	86	28.4	801,223	7,129,883	*		177,883
214 PROTECT FROM POLLUTION	186	48.1	1,417,726	14,504,645	*		2,355,184
SUBTOTAL		1397.8	34,992,620	318,074,720	*		24,769,716
<b>SERIES 300</b>							
301 GENET BREED FORST TRE	88	38.8	1,221,573	8,131,060	*		338,244
302 IMP FOREST ENG SYS	25	10.3	167,036	2,075,465	*		299,531
303 ECON TIMBER PRODUCTN	56	16.9	652,095	3,650,226	*		123,509
304 IMP BIO EFF FRT & VEGS	908	312.1	7,383,850	72,278,484	*		4,581,579
305 MECH PROD FRT & VEGS	80	19.4	597,190	4,111,992	*		78,489
306 PROD MGMT SYS F & V	126	32.2	713,638	6,264,641	*		371,773
307 IMP BIO EFF FLO CRP	1244	501.7	11,315,085	121,789,699	*		6,289,081
308 MECH PROD FIELD CROPS	87	29.7	683,299	6,151,743	*		284,149
309 PROD MGMT SYS FLO CRP	355	91.5	1,956,011	18,994,048	*		658,895
310 ANIMAL REPRODUCTION	509	180.4	7,233,713	56,705,510	*		4,991,404
311 IMP BIO EFF ANML PR	1048	419.3	15,834,535	140,255,175	*		5,604,546
312 ENV STRESS IN ANML PR	156	45.4	1,435,660	11,156,986	*		87,246
313 PROD MGMT SYS ANML PR	256	55.1	1,824,439	16,755,342	*		459,054
314 BEES OTH POLLNTNG INS	45	12.5	194,584	2,953,445	*		340,679
315 IMP STRUC FARM SUPP	91	37.3	991,195	6,807,506	*		454,487
316 FARM BUSINESS MGMT	150	48.1	1,005,945	6,670,917	*		317,972
317 MECH/STRUCTS ANML PRO	22	6.6	99,017	1,214,285	*		25
318 NON COM BIO TECH/BIMET	1341	481.5	7,530,576	126,962,416	*		11,097,989
SUBTOTAL		2338.7	60,819,443	612,928,940	*		36,378,651
<b>SERIES 400</b>							
401 NEW IMP FOREST PROD	170	65.1	1,531,928	15,965,701	*		1,745,878
402 PROD F & V IMP ACCEPT	266	50.2	932,984	12,267,993	*		648,822
403 NEW & IMP F & V PROD	186	55.3	1,164,555	11,210,498	*		174,274
404 MKT QUAL FRTS & VEGS	185	64.0	1,568,433	13,329,192	*		577,106
405 PROD FLO CROP IMP ACPT	285	76.7	1,721,837	23,218,289	*		1,132,511
406 NEW IMP FOOD FLO CROP	150	44.2	1,162,579	10,786,578	*		900,357
407 NEW IMP NON FOOD FC	92	25.5	487,374	7,109,027	*		1,254,165
408 MKT QUAL FIELD CROPS	80	29.2	576,792	5,041,909	*		61,664
409 PROD ANML PR IMP ACCP	158	55.9	2,078,437	15,682,512	*		452,179
410 IMP MEAT MILK EGG PR	238	80.0	1,955,489	17,775,367	*		308,834
411 IMP NON FOOD ANML PR	16	5.4	146,373	998,126	*		10
412 MKT QUAL ANIMAL PROD	84	22.3	607,574	5,038,396	*		99,595
SUBTOTAL		573.8	13,934,356	138,421,586	*		7,355,394
<b>SERIES 500</b>							
501 IMP GRADES & STANDS	49	10.4	310,405	2,285,426	*		109,515
502 MKTG TIMBER PRODUCTS	28	6.6	186,923	1,038,930	*		106,173
503 MKTG EFF AGRI PRODS	143	40.0	1,088,024	6,607,011	*		711,670
506 SPLY DEMAND AND PRIC	190	58.2	1,685,689	10,796,442	*		1,788,393
507 COMP REL IN AGRIC	53	12.1	272,024	2,035,663	*		168,302
508 DOMESTIC MKT DEVELP	56	10.7	205,928	2,188,997	*		140,523
509 PERFORMANCE MKTG SYS	134	39.9	1,232,346	6,413,558	*		508,820
510 GROUP ACT MKT POWER	19	3.3	98,658	706,658	*		61,878
511 IMP AGRIC STATISTICS	40	7.8	176,332	2,566,687	*		1,194,419
512 IMP GRADES FRST PROD	7	0.6	38,729	589,023	*		450,925
513 PRICE ANAL FRST PROD	15	3.5	131,349	768,518	*		45,767
SUBTOTAL		193.2	5,426,408	35,996,911	*		5,286,385
<b>SERIES 600</b>							
601 FGN MKT DEVELP	120	57.5	928,534	14,195,795	*		3,546,650
602 EVAL FGN FOOD AID PGM	4	1.4	1,919	283,711	*		39,750
603 TECH AID DEV CRTV	42	27.8	103,218	11,524,799	*		257,875
604 PRO OVLPMT/MKTG FRGN	30	7.4	186,347	1,522,607	*		198,487
SUBTOTAL		94.0	1,220,019	27,526,910	*		4,042,763
<b>SERIES 700</b>							
701 TOX RES IN FOOD	128	42.7	1,233,730	10,017,730	*		2,776,698
702 FOOD PROT FROM TOX	156	53.1	1,431,993	14,038,187	*		1,048,388
703 FOOD CONSUMP HABITS	123	33.8	758,042	6,319,138	*		442,743
704 HOME COMM FOOD SERV	26	7.3	301,217	1,108,854	*		13,281
705 SEL CARE CLOTH & TEXTL	72	14.4	293,018	2,122,604	*		45,334
706 CONTR INSECTS AFF MAN	108	38.3	709,598	8,283,795	*		316,769
707 TRANS ANIML MAN OIS	25	4.3	50,513	1,302,947	*		10,700
708 HUMAN NUTRITION	335	116.0	2,336,972	31,476,284	*		1,820,217
709 REDUCE HAZ HLTH & SFTY	69	17.2	227,867	3,199,057	*		23,843
SUBTOTAL		327.1	7,342,950	77,868,595	*		6,497,773

TABLE II-0 SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 800						
801 RURAL HOUSING	43	10.6	211,506	1,715,023	*	4,213
802 INDIV & FAM DEC MAKING	200	53.2	899,100	7,467,860	*	52,508
803 RURAL POVERTY	20	3.8	49,936	639,779	*	66,857
804 ECON POTENT RURL PED	83	20.3	583,017	2,710,543	*	126,157
805 COMMUNICAT EDUC PROC	122	42.4	413,925	6,347,878	*	63,001
806 ADJUSTMENT TO CHANGE	174	47.5	966,744	7,688,542	*	233,214
807 AGRIC ECONOMIC CHANGE	143	54.3	1,119,856	8,331,231	*	544,257
808 GOVT PROGRAMS	48	16.4	326,850	3,933,151	*	1,194,568
SUBTOTAL		246.5	4,572,934	38,834,008	*	2,284,775
SERIES 900						
901 ALLEY POLLUTION	499	154.2	3,671,655	41,478,509	*	4,465,205
902 OUTDOOR RECREATION	98	29.8	532,983	5,400,849	*	425,250
903 MULTI USE FOREST POTEN	90	22.2	849,674	5,149,764	*	196,919
904 WLOLFE AND FISH ECOL	575	202.7	2,513,063	54,606,225	*	4,107,440
905 TREES BEAUTIFICATION	88	20.6	512,034	3,798,239	*	119,875
906 ORNAMENT & TURF OEY	511	178.8	4,380,707	36,632,565	*	753,910
907 RURAL INCOME IMP	112	33.8	888,649	5,152,272	*	422,901
908 RURAL INSTITUT IMP	129	28.1	957,791	4,703,695	*	555,186
SUBTOTAL		670.3	14,304,556	156,921,918	*	11,046,696
SCIENCE IN SERV OF MAN						
GRAND TOTAL		6690.2	163,898,599	1,596,455,283	*	109,154,812

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	ALABAMA	AUBURN	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	15	5.0	243,662	1,560,885	*	30,719
0200 WATER	9	2.4	78,711	542,186	*	39,319
0300 WATERSHEDS RIVER BAS	1	0.3	4,053	39,792	*	0
0500 RECREATION RESOURCES	3	1.2	8,179	214,404	*	0
0800 TIMBER FORST PRODUCT	34	19.6	567,619	3,490,927	*	442,762
0800 WILDLIFE AND FISH	33	15.3	146,723	4,034,602	*	18,748
1000 FRUIT NUTS DECIDUOUS	9	3.3	115,534	1,022,123	*	17,903
1100 POTATOES	2	0.4	31,685	140,947	*	0
1200 VEGETABLES	12	5.1	288,687	1,352,235	*	0
1300 ORNAMENTALS TURF	14	6.6	112,707	1,171,686	*	10,028
1400 CORN	7	1.7	45,357	344,078	*	3,886
1500 GRAIN SORGHUM	5	0.6	16,974	176,718	*	3,886
1700 WHEAT	5	0.5	15,827	157,291	*	3,886
1800 OTHER SMALL GRAINS	3	0.2	3,219	27,728	*	0
2000 FORAGE CROPS	5	1.3	112,135	569,271	*	50,802
2100 COTTON	11	2.7	66,152	724,782	*	3,886
2300 SOYBEANS	19	5.4	266,134	1,320,878	*	8,894
2400 PEANUTS	13	5.0	120,810	1,025,933	*	32,943
2500 OTHER OILSEED CROPS	1	0.2	2,003	35,937	*	0
2800 MISC NEW CROPS	1	0.1	3,431	58,850	*	0
2900 POULTRY	24	11.5	331,884	2,711,995	*	49,908
3000 BEEF CATTLE	19	6.9	343,913	2,870,124	*	30,778
3100 DAIRY CATTLE	10	2.8	187,949	1,067,813	*	8,315
3200 SWINE	12	4.0	384,872	1,891,154	*	4,875
3300 SHEEP AND WOOL	3	1.0	57,323	147,513	*	0
3400 OTHER ANIMALS	1	0.3	10,060	15,588	*	0
3500 BEES AND HONEY	1	0.3	8,850	55,257	*	0
3600 FARM SUPP & FACILITS	3	1.4	68,792	334,577	*	35,889
3700 CLOTHING & TEXTILES	1	0.5	2,449	45,209	*	0
3800 FOOD	3	1.7	20,332	317,229	*	0
3900 HOUSING & EQUIP	3	0.8	5,839	182,986	*	49,950
4000 PEOPLE AS INDIVIDUALS	5	1.6	15,329	193,567	*	0
4100 FAMILY MEMBERS	4	1.3	8,604	131,354	*	0
4200 FARM AS BUSINESS	5	2.0	21,829	235,238	*	12,466
4300 SOC POLIT ORGANIZ	3	1.3	18,723	158,580	*	0
4400 AGRIC ECONOMY U S	5	1.5	21,868	209,070	*	28,101
4500 AGRIC ECONOMY FORGN	1	0.2	1,788	37,819	*	15,323
4800 MARKETING SYSTEMS	1	0.3	4,893	33,961	*	0
6100 WEEQS	1	0.1	12,057	61,123	*	0
6300 BIO CELL SYSTEMS	6	0.8	11,608	178,792	*	0
6500 INVERTEBRATES	8	2.2	15,472	312,310	*	30,950
6600 MICROORGANISMS VIRUSES	10	2.3	129,889	633,401	*	0
6700 PLANTS	6	1.3	26,504	255,039	*	8,467
6800 ANIMALS(VERTEBRATES)	3	0.5	27,420	90,459	*	374
TOTAL		124.0	3,965,588	29,980,807	*	936,876

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	ALASKA	FAIRBANKS	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	4	1.4	108,985	134,895	*	0
0200 WATER	2	0.1	3,894	11,027	*	0
0400 AIR AND CLIMATE	2	0.2	13,225	21,983	*	0
0500 RECREATION RESOURCES	1	0.4	30,841	49,896	*	0
0600 TIMBER FORST PRODUCT	3	1.6	328,838	693,185	*	0
0800 WILDLIFE AND FISH	10	2.3	23,739	855,988	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.5	24,919	84,615	*	0
1100 POTATOES	2	0.1	7,135	22,327	*	5,000
1200 VEGETABLES	1	0.9	13,938	204,204	*	0
1300 ORNAMENTALS TURF	1	0.5	24,919	84,615	*	0
1700 WHEAT	2	0.7	28,219	145,317	*	0
1800 OTHER SMALL GRAINS	4	1.1	117,090	197,072	*	0
2000 FORAGE CROPS	2	0.9	43,385	113,769	*	0
2500 OTHER OILSEED CROPS	1	0.1	14,270	34,854	*	0
2800 MISC NEW CROPS	1	0.1	8,582	20,792	*	0
3000 BEEF CATTLE	1	0.9	76,553	192,699	*	0
3100 DAIRY CATTLE	2	1.0	149,785	423,693	*	0
3200 SWINE	2	0.7	85,690	134,736	*	0
3400 OTHER ANIMALS	3	1.3	43,225	365,013	*	0
4200 FARM AS BUSINESS	1	0.2	8,902	34,440	*	0
4300 SOC POLIT ORGANIZ	3	0.4	17,122	57,984	*	0
6400 EXP DESIGN/STAT METHOD	1	0.1	4,790	13,706	*	0
6700 PLANTS	1	0.2	4,379	29,832	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	4,790	13,706	*	0
TOTAL		15.8	1,187,173	3,939,743	*	5,000



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	AMERICAN SAMOA PAGO PAGO		SAES	
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
0900 CITRUS SUB TROP FRUIT	1	0.0	51,027	51,027	*	0	
1200 VEGETABLES	3	0.0	183,698	199,458	*	0	
3200 SWINE	1	0.0	357,192	357,192	*	0	
TOTAL		0.0	591,917	607,677	*	0	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	ARIZONA		TUCSON		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	27	4.6	84,835	1,178,861	*			77,260	
0200 WATER	35	12.5	104,636	2,842,605	*			154,694	
0300 WATERSHEDS RIVER BAS		3.3	60,928	991,504	*			310,429	
0400 AIR AND CLIMATE	3	0.2	3,443	34,380	*			1,002	
0500 RECREATION RESOURCES	5	1.7	15,654	400,225	*			35,031	
0600 TIMBER FORST PRODUCT	11	2.3	20,642	330,653	*			14,810	
0700 RANGE	20	2.3	29,473	405,832	*			50,113	
0800 WILDLIFE AND FISH	12	5.3	38,509	1,254,239	*			63,099	
0900 CITRUS SUB TROP FRUIT	7	1.4	9,829	396,978	*			20,844	
1000 FRUIT NUTS DECIDUOUS	9	7.3	28,759	1,027,805	*			28,531	
1200 VEGETABLES	24	7.2	93,007	1,880,353	*			119,533	
1300 ORNAMENTALS TURF	10	3.7	34,615	948,930	*			26,255	
1400 CORN	4	0.4	22,898	181,003	*			3,337	
1500 GRAIN SORGHUM	1	0.2	3,518	114,908	*			2,833	
1700 WHEAT	5	0.4	7,564	84,635	*			2,307	
1800 OTHER SMALL GRAINS	7	1.4	7,316	426,140	*			70,998	
2000 FORAGE CROPS	11	5.5	194,338	1,625,239	*			65,993	
2100 COTTON	22	9.0	207,563	2,336,755	*			112,797	
2200 COTTONSEED	2	0.6	19,410	108,420	*			2,610	
2300 SOYBEANS	2	0.0	9,885	27,891	*			653	
2500 OTHER OILSEED CROPS	4	2.5	341	1,149,908	*			82,716	
2600 TOBACCO	1	1.7	26,721	712,595	*			17,567	
2700 SUGAR CROPS	1	0.7	12,132	149,421	*			17,172	
2800 MISC NEW CROPS	6	2.0	6,792	903,417	*			195,284	
2900 POULTRY	4	1.0	17,353	293,635	*			6,804	
3000 BEEF CATTLE	21	6.3	100,242	1,830,679	*			128,437	
3100 DAIRY CATTLE	21	8.1	183,312	2,251,635	*			118,106	
3200 SWINE	3	1.1	49,717	233,890	*			6,752	
3300 SHEEP AND WOOL	7	0.8	33,888	315,916	*			77,667	
3400 OTHER ANIMALS	7	1.9	45,733	488,159	*			78,080	
3500 BEES AND HONEY	1	0.0	2,371	53,487	*			1,265	
3700 CLOTHING & TEXTILES	4	0.5	3,446	57,937	*			1,364	
3800 FOOD	3	1.4	12,234	569,609	*			13,779	
3900 HOUSING & EQUIP	3	1.2	1,306	378,410	*			26,877	
4000 PEOPLE AS INDIVIDUALS	20	3.2	33,092	722,172	*			23,431	
4100 FAMILY MEMBERS	15	5.7	32,944	1,306,376	*			64,722	
4200 FARM AS BUSINESS	4	2.7	11,247	241,319	*			8,968	
4300 SOC POLIT ORGANIZ	4	0.9	7,055	112,549	*			3,265	
4400 AGRIC ECONOMY U S	2	0.3	0	31,600	*			819	
4500 AGRIC ECONOMY FORGN	1	0.0	197	3,820	*			97	
6100 WEEGS	1	0.0	186	1,684	*			42	
6200 SEED RESEARCH	1	0.0	1,463	2,447	*			58	
6300 BIO CELL SYSTEMS	4	0.5	30,632	242,454	*			47,871	
6400 EXP DESIGN/STAT METHOD	3	0.5	814	136,539	*			3,457	
6500 INVERTEBRATES	7	2.5	48,847	1,122,334	*			85,634	
6600 MICROORGANISMS VIRUSES	9	1.6	20,000	348,330	*			114,533	
6700 PLANTS	21	1.6	15,318	972,349	*			323,143	
6800 ANIMALS(VERTEBRATES)	6	8.4	101,436	2,556,439	*			110,639	
7000 RSCH EQUIP & TECHNOLOGY	5	0.8	13,593	385,043	*			152,754	
TOTAL		127.5	1,809,035	34,171,505	*			2,874,936	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	ARKANSAS	FAYETTEVILLE	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CDN/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	21	6.4	101,834	1,641,913	*	138,528
0200 WATER	18	3.4	70,475	655,020	*	10,664
0300 WATERSHEDS RIVER BAS	6	0.4	25,480	108,685	*	1,260
0400 AIR AND CLIMATE	3	0.3	5,781	78,787	*	1,260
0500 RECREATION RESOURCES	1	0.3	12,643	44,769	*	129
0600 TIMBER FORST PRODUCT	21	11.3	393,727	1,410,292	*	93,521
0700 RANGE	1	0.1	0	35,050	*	0
0800 WILDLIFE AND FISH	1	0.3	10,837	38,374	*	111
1000 FRUIT NUTS DECIDUOUS	20	3.8	206,494	1,453,067	*	18,242
1100 POTATOES	1	0.0	0	7,219	*	3,623
1200 VEGETABLES	22	7.0	194,078	1,432,725	*	54,171
1300 ORNAMENTALS TURF	5	1.9	22,661	269,039	*	0
1400 CORN	7	0.8	9,211	193,365	*	0
1500 GRAIN SORGHUM	15	1.8	41,420	495,830	*	142,072
1600 RICE	25	8.4	119,262	3,245,045	*	275,490
1700 WHEAT	15	4.5	82,221	932,947	*	10,924
1800 OTHER SMALL GRAINS	3	0.5	3,427	139,659	*	0
1900 PASTURE	2	0.6	0	130,711	*	0
2000 FORAGE CROPS	9	1.5	5,249	347,841	*	0
2100 COTTON	25	7.6	205,524	1,915,663	*	430,176
2300 SOYBEANS	37	11.6	308,590	3,617,460	*	375,597
2400 PEANUTS	1	0.1	5,411	41,562	*	0
2800 MISC NEW CROPS	1	0.1	9,624	9,624	*	0
2900 POULTRY	25	9.3	459,207	3,239,995	*	746,440
3000 BEEF CATTLE	22	7.6	331,398	2,589,948	*	57,909
3100 DAIRY CATTLE	11	3.5	156,224	945,545	*	0
3200 SWINE	6	1.2	36,733	437,147	*	0
3300 SHEEP AND WOOL	2	0.3	12,632	67,193	*	0
3400 OTHER ANIMALS	4	1.0	17,129	215,695	*	0
3600 FARM SUPP & FACILITS	1	0.1	2,642	10,148	*	0
3700 CLOTHING & TEXTILES	3	1.4	41,882	142,247	*	0
3800 FOOD	1	0.1	9,066	12,843	*	0
3900 HOUSING & EQUIP	4	2.5	14,025	262,808	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.7	37,719	246,971	*	0
4100 FAMILY MEMBERS	4	1.4	15,417	137,724	*	0
4200 FARM AS BUSINESS	3	1.3	37,000	166,837	*	0
4300 SOC POLIT ORGANIZ	2	1.7	29,253	235,675	*	0
4400 AGRIC ECONOMY U S	1	0.3	24,080	29,482	*	0
4600 FARM COOPERATIVES	1	0.2	6,122	28,648	*	13,157
4700 OTH MARKET PROCESS	1	0.2	6,122	28,648	*	13,157
4800 MARKETING SYSTEMS	2	0.4	15,999	58,394	*	17,543
6100 WEEDS	4	2.2	135,241	350,113	*	0
6400 EXP DESIGN/STAT METHOD	2	1.7	5,224	126,311	*	0
6500 INVERTEBRATES	5	1.3	18,888	250,515	*	89,249
6600 MICROORGANISMS VIRUSES	8	2.3	141,315	406,220	*	47,855
6700 PLANTS	6	1.9	48,828	387,961	*	75,275
6800 ANIMALS(VERTEBRATES)	1	0.3	4,396	45,609	*	0
6900 RESEARCH ON RSCH MGMT	1	0.0	263	4,012	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.4	11,526	65,893	*	0
TOTAL		116.9	3,452,264	28,739,227	*	2,616,354

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS AOMSTRO (GROSS) 1990	CALIFORNIA	BERKELEY	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	69	26.2	265,909	6,737,901	*	72,764
0200 WATER	47	14.9	198,461	3,911,285	*	70,160
0300 WATERSHEDS RIVER BAS	11	2.8	58,028	1,207,595	*	1,553
0400 AIR AND CLIMATE	13	5.2	54,607	962,872	*	110
0500 RECREATION RESOURCES	5	2.8	35,403	408,085	*	4,659
0600 TIMBER FORST PRODUCT	74	31.1	517,067	7,200,234	*	288,360
0700 RANGE	16	6.8	42,268	1,348,051	*	13,910
0800 WILDLIFE AND FISH	59	23.7	160,299	5,931,351	*	123,991
0900 CITRUS SUB TROP FRUT	52	18.3	138,834	5,533,643	*	80,617
1000 FRUIT NUTS DECIDUOUS	91	48.5	335,369	11,369,997	*	323,059
1100 POTATOES	15	3.8	30,174	899,865	*	41,047
1200 VEGETABLES	90	30.4	246,927	9,474,950	*	547,806
1300 ORNAMENTALS TURF	25	8.3	38,216	2,017,207	*	2,571
1400 CORN	9	3.1	4,400	1,037,983	*	128,344
1500 GRAIN SORGHUM	5	0.1	1,600	39,205	*	725
1600 RICE	13	2.1	8,840	808,480	*	43,085
1700 WHEAT	12	2.5	27,000	803,201	*	55,039
1800 OTHER SMALL GRAINS	14	3.0	27,582	960,853	*	27,520
1900 PASTURE	1	0.0	31	31	*	0
2000 FORAGE CROPS	28	9.0	75,933	2,127,119	*	11,523
2100 COTTON	29	8.4	105,803	1,942,852	*	29,921
2300 SOYBEANS	6	3.9	19,390	746,930	*	40,244
2500 OTHER OILSEED CROPS	10	3.8	76,477	917,139	*	12,712
2700 SUGAR CROPS	7	2.1	13,917	394,893	*	13,140
2800 MISC NEW CROPS	5	2.4	42,595	682,853	*	229,809
2900 POULTRY	32	9.5	93,797	2,592,092	*	158,489
3000 BEEF CATTLE	38	8.0	120,183	1,915,591	*	163,007
3100 DAIRY CATTLE	45	11.2	218,490	2,818,846	*	200,787
3200 SWINE	8	1.4	17,818	473,208	*	201,739
3300 SHEEP AND WOOL	26	5.2	109,532	1,283,853	*	159,886
3400 OTHER ANIMALS	27	7.8	85,865	2,556,094	*	95,926
3500 BEES AND HONEY	13	6.0	52,000	1,125,927	*	49,847
3600 FARM SUPP & FACILITS	3	0.4	0	56,862	*	0
3700 CLOTHING & TEXTILES	9	2.7	19,043	457,451	*	44,343
3800 FOOD	35	17.6	105,223	4,380,669	*	343,226
3900 HOUSING & EQUIP	7	1.7	11,735	405,156	*	0
4000 PEOPLE AS INDIVIDUALS	39	13.2	93,150	3,166,381	*	128,535
4100 FAMILY MEMBERS	9	2.6	28,049	500,455	*	63,500
4200 FARM AS BUSINESS	4	0.7	16,453	103,243	*	0
4300 SOC POLIT ORGANIZ	12	2.6	23,868	415,869	*	0
4400 AGRIC ECONOMY U S	11	6.0	48,040	1,084,530	*	56,321
4500 AGRIC ECONOMY FORGN	5	4.2	27,877	707,528	*	54,560
4600 FARM COOPERATIVES	3	0.4	586	96,559	*	1,455
4800 MARKETING SYSTEMS	7	2.6	23,312	489,751	*	3,213
6100 WEEDS	11	2.3	44,090	475,576	*	75,910
6200 SEED RESEARCH	5	2.4	17,216	883,368	*	0
6300 BIO CELL SYSTEMS	25	12.0	49,595	3,577,683	*	625
6400 EXP DESIGN/STAT METHOD	12	2.6	0	500,815	*	53,150
6500 INVERTEBRATES	83	31.5	376,767	7,502,842	*	291,619
6600 MICROORGANISMS VIRUSES	83	28.9	202,071	8,339,582	*	1,023,684
6700 PLANTS	144	53.7	364,891	14,523,640	*	2,123,325
6800 ANIMALS(VERTEBRATES)	51	20.4	128,048	5,884,053	*	162,588
6900 RESEARCH ON RSCH MGMT	3	3.6	98,808	7,434,182	*	65,788
7000 RSCH EQUIP & TECHNOLOGY	11	2.7	24,448	582,017	*	5,898
TOTAL		525.3	4,923,921	141,894,363	*	7,690,087

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	COLORADO	FT COLLINS	SAES
				TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	15	2.0	100,460	823,439	*	54,454
0200 WATER	32	8.7	175,790	4,027,142	*	107,095
0300 WATERSHEDS RIVER BAS	5	0.8	38,987	289,259	*	609
0400 AIR AND CLIMATE	4	0.9	722	378,831	*	27,893
0500 RECREATION RESOURCES	3	0.4	32,076	54,455	*	609
0600 TIMBER FORST PRODUCT	8	2.8	204,750	486,440	*	59,981
0700 RANGE	11	6.3	388,473	2,743,695	*	182,128
0800 WILDLIFE AND FISH	3	0.4	34,755	50,571	*	609
1000 FRUIT NUTS DECIDUOUS	11	2.6	126,471	805,470	*	48,800
1100 POTATDES	10	2.4	1,182	538,281	*	81,308
1200 VEGETABLES	13	2.1	117,474	494,190	*	10,304
1300 ORNAMENTALS TURF	7	1.9	11,449	361,942	*	15,747
1400 CORN	14	1.8	56,471	810,433	*	193,008
1500 GRAIN SORGHUM	4	0.3	6,541	108,326	*	23,857
1700 WHEAT	20	5.9	51,057	2,577,624	*	183,094
1800 OTHER SMALL GRAINS	13	1.8	89,177	528,529	*	77,442
1900 PASTURE	2	0.1	10,862	24,754	*	4,221
2000 FORAGE CROPS	9	2.3	36,711	691,956	*	33,341
2300 SOYBEANS	2	0.1	35,858	91,234	*	0
2500 OTHER DILSEED CROPS	3	0.4	2,483	122,690	*	7,664
2700 SUGAR CROPS	2	0.1	5,317	39,373	*	5,855
2800 MISC NEW CROPS	3	0.3	13,668	54,837	*	0
2900 POULTRY	2	0.5	29,016	69,585	*	0
3000 BEEF CATTLE	23	8.2	328,851	4,238,753	*	142,685
3100 DAIRY CATTLE	8	0.5	2,561	259,734	*	80,545
3200 SWINE	1	0.0	0	2,433	*	0
3300 SHEEP AND WOOL	13	2.1	52,165	631,258	*	149,638
3500 FARM SUPP & FACILITS	1	0.6	32,524	84,652	*	6,325
3700 CLOTHING & TEXTILES	1	0.1	7,452	9,973	*	0
3800 FOOD	5	1.1	88,902	368,748	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.1	10,958	32,542	*	0
4100 FAMILY MEMBERS	4	1.1	58,045	134,824	*	24,815
4200 FARM AS BUSINESS	2	0.7	32,524	132,154	*	6,325
4300 SOC POLIT ORGANIZ	6	1.0	50,505	197,885	*	24,815
4400 AGRIC ECONOMY U S	2	1.2	45,793	134,418	*	31,140
6100 WEEDS	4	0.8	0	118,495	*	8,699
6200 SEED RESEARCH	5	1.3	0	390,138	*	71,560
6300 BIO CELL SYSTEMS	1	0.4	36,462	58,382	*	0
6500 INVERTEBRATES	4	0.1	0	118,606	*	24,419
6600 MICROORGANISMS VIRUSES	3	0.7	0	255,050	*	44,273
6700 PLANTS	15	3.1	112,485	1,158,928	*	507,909
6800 ANIMALS(VERTEBRATES)	3	0.8	34,610	259,691	*	6,325
7000 RSCH EQUIP & TECHNOLOGY	5	0.5	90,351	535,622	*	212,743
TOTAL		69.4	2,533,937	25,291,351	*	2,460,211

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	CONNECTICUT	NEW HAVEN	SAES
				TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	8	3.0	76,959	373,088	*	0
0200 WATER	8	2.9	99,988	375,483	*	0
0600 TIMBER FORST PRODUCT	12	5.3	163,489	574,297	*	0
0800 WILDLIFE AND FISH	1	0.5	0	78,265	*	0
1000 FRUIT NUTS DECIDUOUS	10	3.4	82,832	369,625	*	23,295
1100 POTATDES	2	0.3	437	36,180	*	0
1200 VEGETABLES	14	5.9	102,471	645,163	*	0
1300 ORNAMENTALS TURF	9	4.7	42,511	484,897	*	0
1400 CORN	4	0.4	3,541	47,443	*	0
1700 WHEAT	3	0.5	27,368	56,498	*	0
2000 FORAGE CROPS	4	0.5	11,209	63,548	*	0
2600 TOBACCO	9	6.0	93,579	716,835	*	0
2800 MISC NEW CROPS	1	0.1	0	14,493	*	0
2900 POULTRY	2	0.2	12,477	38,234	*	0
3000 BEEF CATTLE	1	0.1	0	10,145	*	0
3100 DAIRY CATTLE	3	0.3	12,477	48,379	*	0
3200 SWINE	1	0.1	0	10,145	*	0
3300 SHEEP AND WOOL	1	0.1	0	10,145	*	0
3400 OTHER ANIMALS	2	0.7	0	90,680	*	0
3500 BEES AND HONEY	1	0.3	0	24,839	*	0
3600 FARM SUPP & FACILITS	2	0.4	0	57,974	*	0
3700 CLOTHING & TEXTILES	1	0.1	0	9,936	*	0
3800 FOOD	1	0.1	0	14,493	*	0
4000 PEOPLE AS INDIVIDUALS	3	3.2	40,851	317,939	*	0
6500 INVERTEBRATES	2	1.6	6,943	158,970	*	18,790
6700 PLANTS	5	2.8	55,885	343,223	*	0
6800 ANIMALS(VERTEBRATES)	1	1.1	0	156,531	*	0
TOTAL		44.8	812,995	5,123,469	*	42,085

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	CONNECTICUT	STDRS	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	3	0.8	25,636	107,337	*	3,767
0200 WATER	1	0.2	16,879	39,946	*	3,767
0400 AIR AND CLIMATE	3	0.4	50,844	253,813	*	0
0500 RECREATION RESOURCES	1	0.5	4,608	49,748	*	0
0600 TIMBER FORST PRODUCT	2	0.3	16,976	163,177	*	0
0800 WILDLIFE AND FISH	2	0.8	783	188,211	*	0
1100 POTATDES	2	0.2	6,386	34,473	*	4,897
1200 VEGETABLES	2	0.3	17,753	57,083	*	3,767
1300 ORNAMENTALS TURF	9	3.2	74,883	499,982	*	0
1400 CORN	2	0.5	19,654	72,242	*	3,767
2000 FORAGE CRDPS	4	1.1	21,239	110,880	*	3,767
2100 COTTON	1	0.1	5,037	12,011	*	0
2800 MISC NEW CRDPS	1	0.2	7,544	41,366	*	0
2900 PDLTRY	8	1.9	205,008	726,716	*	0
3000 BEEF CATTLE	4	0.4	7,051	61,246	*	15,817
3100 DAIRY CATTLE	16	3.8	126,928	1,177,599	*	111,856
3300 SHEEP AND WOOL	1	0.2	2,745	36,206	*	0
3400 OTHER ANIMALS	4	1.7	9,509	376,180	*	0
3800 FOOD	2	1.6	28,390	264,547	*	174,278
3900 HOUSING & EQUIP	1	0.3	64,435	75,778	*	0
4000 PEOPLE AS INDIVIDUALS	4	0.7	49,042	333,246	*	0
4100 FAMILY MEMBERS	1	0.0	763	10,893	*	0
4300 SOC POLIT ORGANIZ	1	1.3	48,317	119,430	*	0
4400 AGRIC ECONOMY U S	1	0.3	16,792	40,038	*	0
4800 FARM COOPERATIVES	2	0.2	3,549	33,068	*	21,785
4800 MARKETING SYSTEMS	2	0.2	3,549	33,068	*	21,785
6300 BIO CELL SYSTEMS	1	0.9	32,473	173,789	*	0
6400 EXP DESIGN/STAT METHDD	1	0.1	0	5,585	*	5,585
6600 MICROORGANISMS VIRUSES	1	0.3	5,916	96,735	*	0
6800 ANIMALS(VERTEBRATES)	3	0.8	35,771	311,545	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.6	12,710	74,577	*	0
TOTAL		23.9	921,176	5,580,516	*	374,840

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	DELAWARE	NEWARK	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	19	4.3	151,298	758,741	*	5,026
0200 WATER	15	1.2	24,456	223,382	*	825
0400 AIR AND CLIMATE	1	0.0	0	4,253	*	0
0500 RECREATION RESOURCES	1	0.1	0	14,269	*	0
0800 TIMBER FORST PRODUCT	1	0.8	52,593	149,014	*	0
0800 WILDLIFE AND FISH	5	0.9	36,380	212,254	*	0
0900 CITRUS SUB TRDP FRUT	3	0.1	0	44,539	*	0
1000 FRUIT NUTS DECIDUDUS	2	0.1	1,290	18,988	*	4,632
1100 POTATDES	2	0.1	2,492	23,398	*	4,294
1200 VEGETABLES	15	3.2	136,738	689,932	*	4,632
1300 ORNAMENTALS TURF	7	1.1	17,828	138,539	*	0
1400 CORN	11	3.3	212,033	897,232	*	0
1500 GRAIN SORGHUM	2	0.7	28,065	53,500	*	148
1600 RICE	1	0.1	2,278	7,367	*	0
1700 WHEAT	3	0.1	3,963	11,856	*	0
1800 OTHER SMALL GRAINS	3	0.0	2,938	7,367	*	0
2000 FORAGE CRDPS	1	0.1	4,571	45,215	*	0
2100 COTTON	1	0.1	2,278	7,367	*	0
2300 SOYBEANS	15	1.8	89,893	364,745	*	850
2800 MISC NEW CROPS	1	0.2	0	150,393	*	0
2900 PDLTRY	30	8.3	251,965	2,117,699	*	16,628
3000 BEEF CATTLE	1	0.0	0	62,204	*	0
3100 DAIRY CATTLE	8	1.0	81,704	518,942	*	0
3200 SWINE	10	0.7	17,612	297,289	*	0
3300 SHEEP AND WOOL	1	0.0	3,883	29,770	*	0
3600 FARM SUPP & FACILITS	2	0.5	5,101	66,889	*	0
3800 FOOD	8	1.1	0	248,924	*	0
3900 HOUSING & EQUIP	1	0.0	0	5,162	*	0
4300 SOC POLIT ORGANIZ	5	0.9	46,200	182,567	*	0
4400 AGRIC ECONOMY U S	1	0.1	0	10,255	*	2,752
6300 BIO CELL SYSTEMS	1	0.0	0	8,592	*	0
6500 INVERTEBRATES	5	1.5	44,209	287,211	*	26,999
6600 MICROORGANISMS VIRUSES	2	1.1	2,726	88,586	*	0
6700 PLANTS	7	0.6	8,001	105,881	*	28,546
TOTAL		34.4	1,230,472	7,612,319	*	95,332

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	DIST OF COLUM WASHINGTON		SAES WITH SAES AMOUNT 1990
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	
0100 SOIL AND LAND	2	0.3	40,474	86,442	*	0
0200 WATER	2	0.4	61,091	109,622	*	0
0600 TIMBER FORST PRODUCT	2	0.8	134,145	204,389	*	0
0800 WILDLIFE AND FISH	1	0.0	4,786	9,043	*	0
1200 VEGETABLES	2	0.6	83,758	139,098	*	0
1400 CORN	1	0.1	12,885	21,400	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.7	88,471	148,070	*	0
4300 SOC POLIT ORGANIZ	1	0.3	54,410	79,953	*	0
TOTAL		3.3	480,017	778,017	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	FLORIDA GAINESVILLE		SAES WITH SAES AMOUNT 1990
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	
0100 SOIL AND LAND	40	13.6	119,571	3,015,611	*	15,327
0200 WATER	34	14.1	53,309	3,730,556	*	74,496
0300 WATERSHEOS RIVER BAS	6	2.5	10,097	586,132	*	0
0400 AIR AND CLIMATE	2	2.6	0	345,024	*	0
0600 TIMBER FORST PRODUCT	27	20.9	414,483	3,925,323	*	672,723
0700 RANGE	2	1.1	5,569	179,651	*	0
0800 WILDLIFE AND FISH	19	15.5	42,291	3,525,877	*	20,540
0900 CITRUS SUB TROP FRUT	110	61.6	290,059	11,664,375	*	1,031,931
1000 FRUIT NUTS DECIOUOUS	35	13.6	53,225	2,289,131	*	115,723
1100 POTATOES	13	2.7	15,231	524,298	*	3,802
1200 VEGETABLES	132	58.2	488,683	11,404,608	*	650,448
1300 ORNAMENTALS TURF	60	27.8	353,568	4,834,224	*	108,720
1400 CORN	25	4.3	42,945	1,260,826	*	198,164
1500 GRAIN SORGHUM	12	0.5	7,506	93,664	*	3,104
1600 RICE	5	3.0	0	1,033,404	*	217,356
1700 WHEAT	14	1.9	26,824	358,267	*	46
1800 OTHER SMALL GRAINS	10	1.3	23,060	250,584	*	1
1900 PASTURE	20	4.0	11,533	660,689	*	24,935
2000 FORAGE CROPS	64	18.9	212,659	3,464,637	*	58,613
2100 COTTON	2	0.1	2,858	23,594	*	0
2300 SOYBEANS	32	4.3	61,108	997,215	*	36,543
2400 PEANUTS	26	4.7	56,197	1,082,781	*	3,309
2600 TOBACCO	4	0.3	6,407	98,520	*	0
2700 SUGAR CROPS	13	3.3	6,972	625,672	*	1,286
2800 MISC NEW CROPS	11	3.0	3,535	471,048	*	0
2900 POULTRY	20	7.5	38,199	1,280,417	*	0
3000 BEEF CATTLE	62	22.7	152,178	5,936,269	*	312,566
3100 DAIRY CATTLE	33	11.8	190,067	3,348,734	*	133,691
3200 SWINE	25	9.1	28,165	2,277,299	*	191,793
3300 SHEEP AND WOOL	5	1.3	3,795	326,756	*	17,850
3400 OTHER ANIMALS	10	4.2	44,430	994,644	*	38,737
3500 BEES AND HONEY	4	0.3	2,072	142,675	*	60,443
3600 FARM SUPP & FACILITS	1	0.6	5,513	80,011	*	0
3800 FOOD	8	8.0	2,313	2,037,152	*	9,565
3900 HOUSING & EQUIP	6	2.2	17,036	438,454	*	40,983
4000 PEOPLE AS INDIVIDUALS	11	7.2	30,925	1,967,641	*	72,513
4100 FAMILY MEMBERS	3	0.6	798	23,508	*	0
4200 FARM AS BUSINESS	5	1.4	1,715	170,984	*	0
4300 SOC POLIT ORGANIZ	5	1.7	10,761	209,229	*	0
4400 AGRIC ECONOMY U S	5	6.1	19,742	892,516	*	5,137
4500 AGRIC ECONOMY FORGN	3	2.0	1,707	235,024	*	9,956
4800 MARKETING SYSTEMS	1	3.0	37,546	563,334	*	0
6100 WEEOS	12	4.1	13,692	877,770	*	71,146
6200 SEED RESEARCH	1	0.0	0	20,178	*	0
6300 BIO CELL SYSTEMS	7	1.6	0	529,441	*	25,279
6400 EXP DESIGN/STAT METHOO	2	0.4	0	45,667	*	0
6500 INVERTEBRATES	26	11.3	34,297	2,197,153	*	136,055
6800 MICROORGANISMS VIRUSES	32	8.7	1,501	1,710,855	*	120,156
6700 PLANTS	34	10.6	19,941	2,805,953	*	120,452
6800 ANIMALS(VERTEBRATES)	9	4.3	634	885,292	*	0
6900 RESEARCH ON RSCH MGMT	3	0.7	4,495	115,575	*	32,313
7000 RSCH EQUIP & TECHNOLOGY	4	1.3	15,394	450,119	*	16,507
TOTAL		412.6	2,984,602	87,008,360	*	4,650,209

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

GEORGIA

ATHENS

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO [GROSS] 1990	TOTAL FUNDS [GROSS] 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	25	5.8	148,995	1,279,014	*	22,280
0200 WATER	15	4.4	93,244	1,071,424	*	54,099
0400 AIR AND CLIMATE	1	0.0	1,398	49,312	*	0
0500 RECREATION RESOURCES	3	0.6	28,615	151,332	*	71,307
0600 TIMBER FORST PRODUCT	25	10.0	440,512	3,996,974	*	385,908
0700 RANGE	1	0.1	7,926	7,926	*	0
0800 WILDLIFE AND FISH	11	3.2	188,957	1,517,051	*	11,101
1000 FRUIT NUTS DECIDUOUS	53	13.1	308,854	3,204,770	*	24,895
1200 VEGETABLES	58	16.9	392,610	4,522,033	*	107,884
1300 ORNAMENTALS TURF	21	7.8	290,074	1,994,238	*	53,459
1400 CORN	24	3.1	83,030	863,610	*	6,130
1500 GRAIN SORGHUM	18	3.6	247,591	1,024,650	*	43,233
1600 RICE	1	0.1	0	76,195	*	0
1700 WHEAT	25	7.0	222,216	1,383,827	*	38,339
1800 OTHER SMALL GRAINS	9	1.3	25,391	351,158	*	3,940
1900 PASTURE	7	1.1	27,862	297,037	*	86
2000 FORAGE CROPS	30	7.0	171,190	1,886,734	*	44,259
2100 COTTON	11	3.0	125,005	834,026	*	1,918
2200 COTTONSEED	1	0.0	1,542	14,909	*	749
2300 SOYBEANS	33	7.1	189,125	1,993,827	*	11,047
2400 PEANUTS	36	10.3	271,063	2,850,985	*	34,760
2500 OTHER OILSEED CROPS	5	0.6	2,090	205,702	*	1,580
2600 TOBACCO	7	2.4	3,628	726,292	*	30,713
2800 MISC NEW CROPS	1	0.0	3,228	28,980	*	0
2900 POULTRY	30	11.6	187,748	3,131,968	*	79,442
3000 BEEF CATTLE	27	8.1	119,074	4,427,921	*	11,714
3100 DAIRY CATTLE	19	6.6	224,310	2,248,717	*	15,749
3200 SWINE	13	4.8	137,521	1,186,901	*	301
3300 SHEEP AND WOOL	1	0.4	4,059	48,185	*	0
3400 OTHER ANIMALS	2	0.5	1,010	46,758	*	1,971
3500 BEES AND HONEY	1	0.1	0	173,448	*	129,484
3600 FARM SUPP & FACILITS	5	0.8	15,485	206,286	*	4,194
3700 CLOTHING & TEXTILES	3	0.3	0	87,931	*	0
3800 FOOD	15	3.8	71,778	866,236	*	10,952
3900 HOUSING & EQUIP	6	2.1	75,887	480,152	*	14,233
4000 PEOPLE AS INDIVIDUALS	8	1.2	20,901	256,416	*	4,577
4100 FAMILY MEMBERS	5	0.6	7,589	35,893	*	0
4200 FARM AS BUSINESS	8	2.1	30,194	403,409	*	13,023
4300 SOC POLIT ORGANIZ	9	2.2	29,190	225,878	*	7,279
4400 AGRIC ECONOMY U S	5	1.6	64,538	219,685	*	1,555
4500 AGRIC ECONOMY FORGN	2	0.4	6,347	44,830	*	778
4600 FARM COOPERATIVES	1	0.1	150	4,157	*	0
4700 OTH MARKET PROCESS	3	0.4	2,432	41,515	*	1,024
4800 MARKETING SYSTEMS	4	0.5	3,628	60,267	*	0
6100 WEEDES	7	0.8	8,369	281,476	*	42,870
6200 SEED RESEARCH	2	0.3	1,604	20,488	*	1,229
6300 BIO CELL SYSTEMS	5	0.8	1,482	146,109	*	60,618
6500 INVERTEBRATES	14	3.3	30,755	653,825	*	55,703
6600 MICROORGANISMS VIRUSES	12	3.2	32,605	410,863	*	4,889
6700 PLANTS	32	11.5	177,384	2,738,636	*	324,768
6800 ANIMALS(VERTEBRATES)	10	1.4	5,343	266,293	*	114,166
6900 RESEARCH ON RSCH MGMT	2	0.2	58,954	90,880	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	15,362	66,831	*	0
TOTAL		178.6	4,585,801	49,185,943	*	1,848,206

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

GUAM

AGANA

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO [GROSS] 1990	TOTAL FUNDS [GROSS] 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.7	42,700	109,488	*	0
0600 TIMBER FORST PRODUCT	1	1.0	58,407	58,407	*	0
0700 RANGE	1	0.1	0	7,209	*	7,209
0800 WILDLIFE AND FISH	2	1.5	27,876	122,237	*	50,760
0900 CITRUS SUB TROP FRUIT	8	0.8	48,831	185,726	*	60,756
1000 FRUIT NUTS DECIDUOUS	1	0.0	7,315	18,757	*	0
1100 POTATOES	1	0.0	0	382	*	382
1200 VEGETABLES	13	7.1	360,341	935,038	*	84,119
1300 ORNAMENTALS TURF	4	1.0	66,887	199,615	*	28,341
1400 CORN	1	0.0	0	61	*	61
1900 PASTURE	1	0.4	0	21,628	*	21,628
2800 MISC NEW CROPS	2	0.0	7,315	20,787	*	2,030
2900 POULTRY	2	1.0	74,215	192,451	*	2,157
4300 SOC POLIT ORGANIZ		0.0	0	766	*	766
4800 MARKETING SYSTEMS	1	0.0	0	766	*	766
6500 INVERTEBRATES	1	0.0	23,783	60,931	*	0
TOTAL		13.6	717,651	1,934,248	*	258,975

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMDDDITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	HAWAII TOTAL FUNDS (GROSS) 1990	HONDLULU USDA CDN/GT/CA SYS 1990	SAES WITH SAES AMOUNT 1990
0100 SDIL AND LAND	23	5.2	105,747	1,243,932	*	83,542
0200 WATER	16	3.2	99,004	734,150	*	110,073
0300 WATERSHEDS RIVER BAS	1	0.2	13,615	17,484	*	0
0400 AIR AND CLIMATE	1	0.3	2,808	15,788	*	0
0500 RECREATION RESOURCES	1	0.1	0	20,054	*	9,319
0600 TIMBER FORST PRODUCT	17	3.5	86,600	733,334	*	68,892
0700 RANGE	6	1.6	16,553	266,431	*	4,396
0800 WILDLIFE AND FISH	16	5.0	7,284	845,133	*	169,584
0900 CITRUS SUB TROP FRUT	61	13.7	116,573	2,570,536	*	445,584
1000 FRUIT NUTS DECIOUOUS	23	4.4	66,443	810,606	*	70,849
1200 VEGETABLES	64	16.4	191,927	3,175,756	*	439,842
1300 ORNAMENTALS TURF	31	8.5	221,833	1,852,976	*	182,116
1400 CORN	12	1.6	17,838	559,844	*	38,944
1600 RICE	2	0.2	0	51,799	*	20,500
1700 WHEAT	2	0.1	2,155	11,383	*	0
1900 PASTURE	3	0.3	4,945	36,399	*	0
2000 FORAGE CROPS	7	0.8	0	444,587	*	26,500
2300 SOYBEANS	2	0.1	0	19,383	*	10,012
2700 SUGAR CROPS	6	0.2	10,435	39,827	*	247
2800 MISC NEW CROPS	13	1.6	17,557	1,165,641	*	79,416
2900 POULTRY	6	1.8	12,335	584,365	*	17,766
3000 BEEF CATTLE	13	5.1	13,114	1,220,446	*	70,844
3100 QAIRY CATTLE	6	1.0	6,557	306,715	*	29,987
3200 SWINE	4	0.6	1,422	355,675	*	0
3300 SHEEP AND WOOL	3	0.6	13,114	111,092	*	0
3600 FARM SUPP & FACILITS	5	1.7	15,373	163,884	*	21,132
3700 CLOTHING & TEXTILES	2	0.0	896	4,048	*	0
3800 FOOD	7	5.3	35,416	503,194	*	5,248
3900 HOUSING & EQUIP	3	1.4	26,547	200,818	*	53,874
4000 PEOPLE AS INDIVIDUALS	8	2.1	26,533	213,588	*	11,084
4100 FAMILY MEMBERS	4	0.9	9,920	113,587	*	5,542
4200 FARM AS BUSINESS	2	0.2	9,484	160,791	*	133,692
4300 SOC POLIT ORGANIZ	1	0.2	0	50,729	*	0
4400 AGRIC ECONOMY U S	3	1.4	0	101,792	*	0
4500 AGRIC ECONOMY FORGN	1	0.2	0	48,693	*	25,188
4600 FARM COOPERATIVES	1	0.2	9,484	27,099	*	0
4800 MARKETING SYSTEMS	2	0.2	0	27,606	*	9,319
6100 WEEOS	3	0.4	1,893	16,518	*	281
6300 BIO CELL SYSTEMS	6	0.7	10,584	152,879	*	10,064
6500 INVERTEBRATES	2	0.3	0	22,343	*	0
6600 MICROORGANISMS VIRUSES	13	1.7	11,213	756,922	*	106,788
6700 PLANTS	18	2.7	29,177	440,537	*	62,120
6800 ANIMALS(VERTEBRATES)	2	0.1	0	50,190	*	656
6900 RESEARCH DN RSCH MGMT	2	0.0	0	10,593	*	10,593
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	2,006	11,277	*	0
TOTAL		96.0	1,216,383	20,270,406	*	2,333,793



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

IOAHO

MOSCOW

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD [GROSS] 1990	TOTAL FUNDS [GROSS] 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	18	5.6	137,570	720,516	*	69,292
0200 WATER	7	3.4	129,628	840,428	*	124,028
0300 WATERSHEDS RIVER BAS	2	0.5	18,235	175,662	*	18,398
0500 RECREATION RESOURCES	1	0.3	2,890	21,928	*	0
0600 TIMBER FORST PROOUCT	3	1.3	19,024	188,082	*	0
0700 RANGE	4	3.9	65,766	382,041	*	75,094
0800 WILDLIFE AND FISH	1	0.0	11,344	11,344	*	0
1000 FRUIT NUTS DECIDUOUS	4	0.0	519	27,032	*	7,451
1100 POTATOES	19	12.1	191,811	1,604,110	*	346,316
1200 VEGETABLES	18	7.9	113,480	984,326	*	105,808
1300 ORNAMENTALS TURF	2	0.4	9,388	72,770	*	9,149
1400 CORN	2	0.0	3,266	17,843	*	0
1700 WHEAT	28	7.0	154,108	3,483,959	*	213,229
1800 OTHER SMALL GRAINS	12	4.2	66,865	571,155	*	46,951
2000 FORAGE CROPS	8	1.5	36,517	300,744	*	64,690
2500 OTHER OILSEED CROPS	4	3.4	81,208	840,500	*	65,964
2700 SUGAR CROPS	5	1.4	56,624	444,348	*	13,786
2900 POULTRY	1	0.4	8,626	44,081	*	0
3000 BEEF CATTLE	17	6.9	198,248	1,075,754	*	36,259
3100 DAIRY CATTLE	7	0.5	34,134	187,775	*	0
3200 SWINE	1	0.0	2,358	14,494	*	0
3300 SHEEP AND WOOL	8	3.4	118,776	502,421	*	0
3400 OTHER ANIMALS	2	0.3	34,631	306,453	*	180,747
3600 FARM SUPP & FACILITS	3	1.3	17,575	138,404	*	0
3800 FOOD	2	0.6	16,840	89,512	*	0
3900 HOUSING & EQUIP	1	0.1	5,482	28,762	*	0
4000 PEOPLE AS INDIVIDUALS	6	1.0	12,163	87,643	*	0
4100 FAMILY MEMBERS	4	0.3	4,947	32,621	*	0
4200 FARM AS BUSINESS	2	1.4	21,362	204,984	*	55,176
4300 SOC POLIT ORGANIZ	5	2.1	19,906	165,389	*	0
4500 AGRIC ECONOMY FORGN	1	0.0	0	1,462	*	1,462
4800 MARKETING SYSTEMS	2	0.3	3,247	27,550	*	1,462
6100 WEEDS	2	0.3	2,981	96,673	*	73,121
6200 SEED RESEARCH	2	3.4	63,767	305,754	*	0
6300 BIO CELL SYSTEMS	1	0.3	4,215	55,828	*	0
6400 EXP DESIGN/STAT METHOD	1	0.0	0	286	*	0
6500 INVERTEBRATES	2	0.5	7,319	67,024	*	29,743
6600 MICROORGANISMS VIRUSES	5	1.7	42,923	551,739	*	147,704
6700 PLANTS	6	2.9	55,672	292,143	*	87,586
6800 ANIMALS(VERTEBRATES)	3	1.4	22,653	182,576	*	2,848
6900 RESEARCH ON RSCH MGMT	1	0.6	10,416	61,841	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.6	10,280	84,570	*	0
TOTAL		83.5	1,816,764	15,292,527	*	1,776,264

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

ILLINOIS

URBANA

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD [GROSS] 1990	TOTAL FUNDS [GROSS] 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	35	13.2	267,433	2,087,654	*	88,396
0200 WATER	10	4.0	95,136	448,310	*	50,016
0300 WATERSHEDS RIVER BAS	5	0.7	32,398	114,898	*	659
0400 AIR AND CLIMATE	3	0.2	26,711	92,303	*	237
0600 TIMBER FORST PROOUCT	32	10.8	248,031	1,046,781	*	78,949
0700 RANGE	1	0.0	27,379	45,329	*	1,866
0800 WILDLIFE AND FISH	1	0.0	1,425	4,465	*	0
0900 CITRUS SUB TROP FRUIT	1	0.2	2,770	25,665	*	2,198
1000 FRUIT NUTS DECIDUOUS	9	2.6	62,828	500,280	*	9,962
1100 POTATOES	1	0.5	6,637	39,113	*	0
1200 VEGETABLES	18	7.7	174,328	1,043,533	*	3,654
1300 ORNAMENTALS TURF	12	4.3	85,833	629,614	*	602
1400 CORN	58	25.5	617,857	4,266,102	*	309,872
1700 WHEAT	12	4.1	62,167	398,954	*	5,219
1800 OTHER SMALL GRAINS	5	1.9	42,359	296,241	*	873
2000 FORAGE CROPS	15	2.6	93,469	785,307	*	5,624
2300 SOYBEANS	49	15.6	473,644	2,908,986	*	206,261
2500 OTHER OILSEED CROPS	3	1.4	52,573	219,173	*	475
2600 TOBACCO	1	0.4	11,481	61,611	*	0
2700 SUGAR CROPS	1	0.0	5,687	5,891	*	0
2800 MISC NEW CROPS	2	1.1	21,314	116,275	*	0
2900 POULTRY	13	6.0	159,334	1,379,812	*	38,444
3000 BEEF CATTLE	24	7.0	295,527	2,183,174	*	124,350
3100 DAIRY CATTLE	32	11.7	291,614	3,126,035	*	133,392
3200 SWINE	35	9.2	388,935	2,611,074	*	38,275
3300 SHEEP AND WOOL	5	1.7	56,945	600,965	*	0
3400 OTHER ANIMALS	7	1.4	59,067	449,049	*	0
3500 BEES AND HONEY	1	0.0	9,817	12,565	*	950
3600 FARM SUPP & FACILITS	3	1.3	29,524	309,162	*	73,396
3700 CLOTHING & TEXTILES	3	0.7	37,532	111,375	*	0
3800 FOOD	12	1.7	169,522	465,830	*	0
3900 HOUSING & EQUIP	1	0.5	15,301	84,742	*	0
4000 PEOPLE AS INDIVIDUALS	13	2.9	65,617	489,983	*	0
4100 FAMILY MEMBERS	16	6.8	107,654	951,620	*	0
4200 FARM AS BUSINESS	7	3.3	135,396	484,611	*	9,476
4300 SOC POLIT ORGANIZ	8	2.8	60,537	306,590	*	27,398
4400 AGRIC ECONOMY U S	2	1.6	51,082	268,942	*	14,157
4500 AGRIC ECONOMY FORGN	1	0.3	1,128	16,245	*	0
4700 OTH MARKET PROCESS	1	0.0	12,774	13,428	*	0
4800 MARKETING SYSTEMS	1	0.0	8,072	10,850	*	0
6100 WEEDS	4	1.0	13,853	78,942	*	2,157
6300 BIO CELL SYSTEMS	4	1.3	19,685	259,637	*	0
6400 EXP DESIGN/STAT METHOD	5	1.5	14,918	202,117	*	0
6500 INVERTEBRATES	7	1.6	42,267	188,749	*	32,380
6600 MICROORGANISMS VIRUSES	10	3.9	82,918	724,232	*	114,727
6700 PLANTS	12	3.9	73,177	828,824	*	81,314
6800 ANIMALS(VERTEBRATES)	12	2.9	117,414	711,578	*	38,354
6900 RESEARCH ON RSCH MGMT	2	0.2	92,961	105,149	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	1.1	29,042	172,802	*	0
TOTAL		173.2	4,853,072	32,284,568	*	1,493,630

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				INDIANA	LAFAYETTE	SAES
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	27	7.2	111,978	1,547,124	*	104,808
0200 WATER	7	1.1	33,218	255,188	*	24,164
0300 WATERSHEDS RIVER BAS	3	0.8	21,768	263,053	*	81,466
0400 AIR AND CLIMATE	7	0.5	42,220	214,195	*	2,270
0500 RECREATION RESOURCES	2	0.8	16,745	207,922	*	0
0600 TIMBER FORST PRODUCT	27	6.6	236,404	1,665,231	*	87,139
0700 RANGE	1	0.1	32	13,368	*	0
0800 WILDLIFE AND FISH	11	3.0	48,151	798,187	*	5,672
0900 CITRUS SUB TROP FRUT	1	0.1	3,735	10,269	*	20
1000 FRUIT NUTS DECIDUOUS	12	1.9	116,239	794,300	*	59,303
1100 POTATOES	9	1.8	31,830	336,947	*	18,074
1200 VEGETABLES	28	7.0	145,597	1,916,579	*	57,334
1300 ORNAMENTALS TURF	10	1.8	33,668	552,358	*	8,832
1400 CORN	58	13.7	453,372	4,252,095	*	42,825
1500 GRAIN SORGHUM	11	3.7	37,120	1,313,666	*	118
1600 RICE	1	0.4	30,716	270,486	*	2,974
1700 WHEAT	18	3.0	125,696	958,954	*	5,028
1800 OTHER SMALL GRAINS	3	0.5	3,602	154,249	*	0
2000 FORAGE CROPS	14	2.0	30,984	567,661	*	48,840
2300 SOYBEANS	45	6.1	167,434	1,689,120	*	57,149
2500 OTHER OILSEED CROPS	3	0.2	6,073	72,053	*	0
2700 SUGAR CROPS	3	0.8	13,427	340,334	*	612
2800 MISC NEW CROPS	12	2.9	108,876	922,082	*	4,792
2900 POULTRY	20	5.0	214,273	1,273,485	*	6,878
3000 BEEF CATTLE	28	4.4	180,599	2,481,586	*	588
3100 DAIRY CATTLE	23	4.9	188,390	1,725,642	*	10,303
3200 SWINE	44	7.7	253,205	2,709,040	*	137,907
3300 SHEEP AND WOOL	7	0.5	17,190	424,504	*	48,715
3400 OTHER ANIMALS	13	2.0	73,188	909,068	*	543
3600 FARM SUPP & FACILITS	2	0.1	2,859	56,165	*	347
3700 CLOTHING & TEXTILES	1	0.3	3,389	34,290	*	0
3800 FOOD	18	5.2	220,990	1,683,465	*	84,551
3900 HOUSING & EQUIP	5	1.2	72,070	275,402	*	0
4000 PEOPLE AS INDIVIDUALS	15	1.8	82,335	487,888	*	39,364
4100 FAMILY MEMBERS	10	1.1	84,002	404,487	*	0
4200 FARM AS BUSINESS	12	1.4	60,806	270,628	*	24
4300 SOC POLIT ORGANIZ	6	1.0	28,874	391,198	*	13,721
4400 AGRIC ECONOMY U S	8	2.1	27,705	538,317	*	58,834
4500 AGRIC ECONOMY FORGN	4	1.7	29,938	247,285	*	32,308
4600 FARM COOPERATIVES	3	0.5	2,089	86,053	*	3,774
4700 OTH MARKET PROCESS	1	0.3	368	55,857	*	1,875
4800 MARKETING SYSTEMS	10	1.5	31,023	275,283	*	22,288
6100 WEEOS	7	1.6	41,450	570,552	*	0
6300 BIO CELL SYSTEMS	12	4.2	191,786	1,844,540	*	33,323
6400 EXP DESIGN/STAT METHOO	3	0.5	10,350	57,681	*	51
6500 INVERTEBRATES	14	4.2	109,665	1,144,064	*	145,551
6600 MICROORGANISMS VIRUSES	13	4.9	178,463	2,043,215	*	94,118
6700 PLANTS	32	7.6	227,271	1,999,696	*	211,142
6800 ANIMALS(VERTEBRATES)	28	5.0	296,300	2,905,641	*	21,198
7000 RSCH EQUIP & TECHNOLOGY	9	1.5	43,520	426,882	*	230
TOTAL		138.3	4,490,787	44,437,335	*	1,578,444

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --				IOWA	AMES	SAES
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	36	8.4	53,887	4,409,850	*	1,187,424
0200 WATER	16	3.0	28,809	1,646,290	*	872,083
0400 AIR AND CLIMATE	5	2.3	68,173	317,781	*	15,695
0500 RECREATION RESOURCES	1	0.1	0	33,267	*	16,586
0800 TIMBER FORST PRODUCT	17	5.2	181,015	1,299,974	*	651
0700 RANGE	1	0.0	0	1,254	*	0
0800 WILDLIFE AND FISH	17	2.6	1,409	1,247,962	*	2
1000 FRUIT NUTS DECIDUOUS	9	0.7	19,812	194,690	*	0
1100 POTATOES	5	1.3	0	488,820	*	0
1200 VEGETABLES	14	1.7	224,348	884,182	*	222,001
1300 ORNAMENTALS TURF	8	2.1	42,040	641,671	*	55,415
1400 CORN	84	16.5	624,336	6,517,203	*	775,135
1600 RICE	1	0.0	0	13,888	*	0
1700 WHEAT	5	0.4	18,179	88,757	*	0
1800 OTHER SMALL GRAINS	10	2.3	203,573	819,372	*	14,029
1900 PASTURE	3	0.3	47,292	154,427	*	341
2000 FORAGE CROPS	15	1.7	206,928	728,214	*	156,799
2300 SOYBEANS	69	12.3	473,550	4,398,292	*	428,682
2400 PEANUTS	1	0.2	13,359	55,212	*	0
2500 OTHER OILSEED CROPS	8	0.3	54,630	237,524	*	55,428
2800 MISC NEW CROPS	6	0.3	56,929	194,240	*	99,423
2900 POULTRY	18	2.9	241,866	955,141	*	3,135
3000 BEEF CATTLE	48	10.5	588,951	4,431,804	*	130,279
3100 DAIRY CATTLE	24	4.2	342,873	2,332,795	*	152,623
3200 SWINE	46	8.8	706,827	5,635,489	*	162,680
3300 SHEEP AND WOOL	4	0.2	23,295	188,628	*	0
3400 OTHER ANIMALS	7	1.1	19,068	278,023	*	0
3800 FARM SUPP & FACILITS	1	0.5	34,854	215,629	*	45,338
3700 CLOTHING & TEXTILES	2	0.1	7,839	28,794	*	0
3800 FOOD	13	5.5	41,910	1,732,388	*	559,530
3900 HOUSING & EQUIP	1	0.0	0	2,976	*	0
4000 PEOPLE AS INDIVIDUALS	25	2.5	60,619	1,011,938	*	260,513
4100 FAMILY MEMBERS	14	2.9	35,257	1,368,204	*	43,122
4200 FARM AS BUSINESS	15	1.5	46,396	436,835	*	12,807
4300 SOC POLIT ORGANIZ	17	4.1	236,005	966,215	*	235,339
4400 AGRIC ECONOMY U S	12	2.6	27,503	2,772,516	*	2,141,853
4500 AGRIC ECONOMY FORGN	7	2.5	1,275	2,486,567	*	2,023,742
4600 FARM COOPERATIVES	1	0.0	3,210	11,663	*	3,541
4700 OTH MARKET PROCESS	2	0.2	8,554	34,847	*	3,541
6200 SEED RESEARCH	4	0.6	30,960	181,709	*	5,393
6300 BIO CELL SYSTEMS	6	1.8	61,197	620,962	*	0
6400 EXP DESIGN/STAT METHOD	5	0.7	4,075	1,155,959	*	1,020,346
6500 INVERTEBRATES	8	2.4	42,111	446,734	*	33,127
6600 MICROORGANISMS VIRUSES	9	1.8	0	621,858	*	60,151
6700 PLANTS	17	3.1	111,036	1,061,861	*	502,011
6800 ANIMALS(VERTEBRATES)	9	2.7	98,754	1,574,994	*	438,285
6900 RESEARCH ON RSCH MGMT	3	0.0	1,851	39,428	*	9,719
7000 RSCH EQUIP & TECHNOLOGY	2	0.1	0	108,186	*	101,113
TOTAL		125.3	5,094,356	55,073,009	*	11,848,480

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	KANSAS		MANHATTAN		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	19	8.1	112,108	1,549,948	*			52,433	
0200 WATER	22	5.6	27,595	1,395,204	*			125,838	
0400 AIR AND CLIMATE	1	0.5	9,923	92,305	*			0	
0500 RECREATION RESOURCES	1	0.2	13,867	21,322	*			0	
0800 TIMBER FORST PRODUCT	13	3.3	137,480	553,516	*			0	
0700 RANGE	11	5.9	53,693	1,323,086	*			14,400	
0800 WILDLIFE AND FISH	1	0.4	0	22,921	*			0	
1000 FRUIT NUTS DECIDUOUS	10	2.5	20,295	422,698	*			0	
1100 POTATOES	2	0.1	0	20,991	*			17	
1200 VEGETABLES	12	3.8	25,811	566,663	*			155	
1300 ORNAMENTALS TURF	9	3.7	34,667	516,464	*			0	
1400 CORN	34	9.2	174,967	1,721,068	*			65,248	
1500 GRAIN SORGHUM	34	12.0	127,668	1,691,605	*			18,003	
1600 RICE	3	0.9	3,714	155,986	*			23,801	
1700 WHEAT	79	41.7	549,178	7,012,493	*			504,555	
1800 OTHER SMALL GRAINS	11	3.3	28,110	575,343	*			43,860	
2000 FORAGE CROPS	19	5.4	50,601	1,074,208	*			24,738	
2300 SOYBEANS	28	7.4	98,679	1,326,131	*			7,087	
2500 OTHER OILSEED CROPS	6	1.1	5,550	177,873	*			4,428	
2900 POULTRY	5	4.1	142,744	1,231,878	*			0	
3000 BEEF CATTLE	70	25.7	448,320	6,786,439	*			549,539	
3100 DAIRY CATTLE	34	4.9	212,744	1,109,571	*			24,295	
3200 SWINE	27	6.8	181,685	1,700,345	*			32,011	
3300 SHEEP AND WOOL	8	2.9	82,199	733,175	*			0	
3400 OTHER ANIMALS	8	1.2	0	265,200	*			0	
3600 FARM SUPP & FACILITIES	1	0.3	0	48,031	*			0	
3700 CLOTHING & TEXTILES	2	0.2	5,793	44,893	*			0	
3800 FOOD	9	2.0	40,519	579,057	*			0	
4000 PEOPLE AS INDIVIDUALS	8	3.2	16,224	449,105	*			8,309	
4100 FAMILY MEMBERS	9	4.2	59,162	397,618	*			0	
4200 FARM AS BUSINESS	2	1.1	86,681	144,448	*			0	
4300 SOC POLIT ORGANIZ	5	2.9	40,257	299,532	*			9,849	
4700 OTH MARKET PROCESS	1	0.0	0	14,358	*			0	
6200 SEED RESEARCH	2	1.6	0	208,783	*			4,428	
6300 BIO CELL SYSTEMS	4	1.3	14,416	133,984	*			0	
6400 EXP DESIGN/STAT METHOD	2	4.0	0	450,636	*			0	
6500 INVERTEBRATES	4	0.0	0	44,385	*			33,653	
6800 MICROORGANISMS VIRUSES	8	2.3	0	640,693	*			292,103	
6700 PLANTS	21	8.3	234,888	1,427,352	*			90,888	
6800 ANIMALS(VERTEBRATES)	16	4.7	140,318	1,140,095	*			0	
6900 RESEARCH ON RSCH MGMT	1	0.3	0	48,372	*			0	
7000 RSCH EQUIP & TECHNOLOGY	3	0.5	0	71,243	*			0	
TOTAL		197.7	3,155,835	38,186,819	*			1,927,836	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	KENTUCKY		LEXINGTON		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	18	5.7	282,272	1,052,826	*			0	
0200 WATER	10	1.9	99,263	329,117	*			0	
0300 WATERSHEDS RIVER BAS	8	1.5	51,307	175,393	*			0	
0400 AIR AND CLIMATE	1	0.0	884	43,852	*			0	
0500 RECREATION RESOURCES	1	0.2	897	14,820	*			0	
0800 TIMBER FORST PRODUCT	12	9.7	285,208	800,944	*			0	
0700 RANGE	1	0.0	212	748	*			0	
0800 WILDLIFE AND FISH	2	1.3	18,300	73,931	*			0	
1000 FRUIT NUTS DECIDUOUS	1	1.7	83,121	284,531	*			0	
1100 POTATOES	1	0.4	10,210	78,889	*			0	
1200 VEGETABLES	15	8.7	283,233	1,475,574	*			0	
1300 ORNAMENTALS TURF	5	2.6	174,078	408,718	*			0	
1400 CORN	10	3.1	152,071	535,890	*			0	
1500 GRAIN SORGHUM	1	0.1	4,077	31,361	*			0	
1700 WHEAT	6	0.9	25,203	150,762	*			0	
1800 OTHER SMALL GRAINS	2	0.8	38,885	128,909	*			0	
1900 PASTURE	2	0.5	24,886	105,407	*			0	
2000 FORAGE CROPS	19	7.9	345,977	1,184,634	*			0	
2300 SOYBEANS	10	6.4	242,423	763,805	*			0	
2600 TOBACCO	18	9.2	225,862	1,308,288	*			0	
2800 MISC NEW CROPS	1	0.1	35,091	135,208	*			0	
2900 POULTRY	4	1.1	51,829	260,138	*			0	
3000 BEEF CATTLE	22	10.5	376,619	1,953,133	*			0	
3100 DAIRY CATTLE	14	5.7	332,771	1,141,858	*			0	
3200 SWINE	11	3.4	146,916	963,818	*			0	
3300 SHEEP AND WOOL	6	2.3	152,591	493,811	*			0	
3400 OTHER ANIMALS	7	11.4	273,791	1,910,831	*			0	
3800 FOOD	2	1.4	74,593	149,161	*			0	
3900 HOUSING & EQUIP	3	2.9	104,302	324,714	*			0	
4000 PEOPLE AS INDIVIDUALS	2	1.0	39,174	120,752	*			0	
4100 FAMILY MEMBERS	3	1.1	44,584	141,321	*			0	
4200 FARM AS BUSINESS	3	3.4	63,149	362,845	*			0	
4300 SOC POLIT ORGANIZ	4	1.8	58,717	205,273	*			0	
4400 AGRIC ECONOMY U S	2	0.9	53,371	85,189	*			0	
4800 MARKETING SYSTEMS	2	1.5	13,873	83,567	*			0	
6100 WEEDS	2	0.4	32,690	172,040	*			0	
6200 SEED RESEARCH	1	0.0	1,731	64,718	*			0	
6300 BIO CELL SYSTEMS	3	2.0	23,244	228,908	*			0	
6400 EXP DESIGN/STAT METHOD	2	1.1	34,608	93,340	*			0	
6500 INVERTEBRATES	4	3.4	128,398	308,310	*			14,172	
6800 MICROORGANISMS VIRUSES	4	2.3	69,125	252,079	*			0	
6700 PLANTS	8	4.1	158,158	545,622	*			0	
6800 ANIMALS(VERTEBRATES)	3	1.7	14,380	254,868	*			0	
7000 RSCH EQUIP & TECHNOLOGY	2	0.7	14,721	43,214	*			0	
TOTAL		128.9	4,604,572	19,241,133	*			14,172	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	LOUISIANA		BATON ROUGE		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990	
0100 SDIL AND LAND	24	5.1	181,598	828,378	*			21,109	
0200 WATER	6	1.1	35,862	115,511	*			0	
0300 WATERSHEDS RIVER BAS	3	0.2	782	38,641	*			0	
0400 AIR AND CLIMATE	3	0.8	14,889	91,253	*			0	
0500 RECREATION RESOURCES	4	1.1	11,561	98,268	*			0	
0600 TIMBER FORST PRODUCT	39	8.9	321,572	1,089,990	*			32,119	
0700 RANGE	4	0.3	3,599	39,038	*			0	
0800 WILDLIFE AND FISH	43	14.3	146,134	2,188,823	*			172,932	
0900 CITRUS SUB TRDP FRUT	6	1.7	0	173,261	*			0	
1000 FRUIT NUTS DECIDUOUS	21	7.2	26,237	969,419	*			414	
1100 POTATDES	2	0.6	2,500	34,785	*			388	
1200 VEGETABLES	40	15.8	229,832	1,897,245	*			65,380	
1300 ORNAMENTALS TURF	14	5.5	35,501	640,567	*			0	
1400 CORN	18	3.3	31,351	365,886	*			7,028	
1500 GRAIN SORGHUM	10	1.0	8,809	177,305	*			7,369	
1600 RICE	37	18.0	126,285	2,823,733	*			43,307	
1700 WHEAT	18	2.8	28,285	589,741	*			33,824	
1800 OTHER SMALL GRAINS	4	0.8	15,221	83,229	*			0	
1900 PASTURE	8	0.9	12,084	182,264	*			0	
2000 FORAGE CROPS	41	11.4	85,898	1,849,732	*			28,544	
2100 COTTON	34	13.8	157,598	1,762,067	*			10,169	
2300 SOYBEANS	50	13.0	189,422	2,252,849	*			131,605	
2400 PEANUTS	1	0.2	0	21,687	*			0	
2700 SUGAR CROPS	29	10.3	118,318	1,895,021	*			0	
2800 MISC NEW CROPS	4	0.9	18,716	97,847	*			0	
2900 PULTRY	14	2.8	139,730	1,175,301	*			37,412	
3000 BEEF CATTLE	54	17.5	308,073	3,778,512	*			7,414	
3100 DAIRY CATTLE	41	13.5	223,327	2,778,778	*			57,399	
3200 SWINE	9	1.5	94,390	576,883	*			0	
3300 SHEEP AND WOOL	5	0.8	42,442	299,587	*			36,447	
3400 OTHER ANIMALS	14	3.4	119,568	939,081	*			8,221	
3600 FARM SUPP & FACILITS	4	0.5	29,085	93,947	*			0	
3700 CLOTHING & TEXTILES	2	0.4	10,718	58,588	*			0	
3800 FOOD	2	0.5	22,517	85,147	*			0	
3900 HOUSING & EQUIP	2	0.9	0	78,755	*			0	
4000 PEOPLE AS INDIVIDUALS	10	2.2	71,152	271,001	*			0	
4100 FAMILY MEMBERS	6	1.7	51,865	145,091	*			0	
4200 FARM AS BUSINESS	6	1.6	34,755	113,921	*			0	
4300 SOC POLIT ORGANIZ	4	6.8	42,018	343,542	*			0	
4400 AGRIC ECONDMY U S	4	1.1	29,746	90,640	*			0	
4500 AGRIC ECONDMY FORGN	1	0.0	5,475	9,479	*			0	
4600 FARM COOPERATIVES	3	0.3	6,479	25,914	*			0	
4800 MARKETING SYSTEMS	1	0.0	1,024	3,080	*			0	
6100 WEEDS	3	0.3	13,941	37,228	*			3,974	
6200 SEED RESEARCH	3	0.3	14,070	85,209	*			0	
6400 EXP DESIGN/STAT METHDD	3	2.8	8,432	308,906	*			2,812	
6500 INVERTEBRATES	6	2.2	24,858	200,140	*			53,335	
6600 MICROORGANISMS VIRUSES	6	1.9	53,537	294,258	*			0	
6700 PLANTS	13	2.5	37,825	437,832	*			7,286	
6800 ANIMALS(VERTEBRATES)	6	1.0	27,237	271,641	*			20,960	
6900 RESEARCH ON RSCH MGMT	1	0.3	0	31,592	*			29	
7000 RSCH EQUIP & TECHNOLOGY	1	0.3	0	31,592	*			29	
TOTAL		203.9	3,169,055	32,843,782	*			789,507	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	MAINE		DROND		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990	
0100 SDIL AND LAND	7	2.8	104,808	510,128	*			75,782	
0300 WATERSHEDS RIVER BAS	3	0.9	35,812	196,028	*			0	
0400 AIR AND CLIMATE	1	0.5	1,335	38,730	*			0	
0600 TIMBER FORST PRODUCT	39	16.7	486,817	3,452,450	*			218,925	
0800 WILDLIFE AND FISH	15	6.8	208,914	1,328,745	*			30,953	
1000 FRUIT NUTS DECIDUOUS	12	4.5	248,577	1,128,001	*			70,498	
1100 POTATOES	24	10.5	338,820	2,138,307	*			289,711	
1200 VEGETABLES	2	0.5	16,843	140,535	*			8,463	
1300 ORNAMENTALS TURF	1	0.2	6,249	21,358	*			0	
1400 CORN	2	0.4	17,183	105,958	*			7,083	
1700 WHEAT	1	0.5	11,901	108,859	*			8,463	
2000 FORAGE CROPS	3	0.8	35,734	216,589	*			8,324	
2900 PULTRY	4	1.8	29,155	269,479	*			31,936	
3000 BEEF CATTLE	1	0.0	2,231	6,522	*			0	
3100 DAIRY CATTLE	11	4.3	250,855	1,250,795	*			0	
3300 SHEEP AND WOOL	2	0.1	4,991	60,282	*			0	
3600 FARM SUPP & FACILITS	3	2.3	51,582	303,428	*			4,914	
3800 FOOD	5	2.0	38,040	272,659	*			257	
4100 FAMILY MEMBERS	2	0.9	0	7,587	*			0	
4200 FARM AS BUSINESS	1	0.4	15,059	92,947	*			17,721	
4300 SOC POLIT ORGANIZ	2	1.8	97,027	202,268	*			11,552	
6500 INVERTEBRATES	2	0.4	24,297	44,830	*			0	
6600 MICROORGANISMS VIRUSES	1	0.0	0	14,218	*			14,218	
6700 PLANTS	4	0.5	10,347	59,744	*			35,972	
6800 ANIMALS(VERTEBRATES)	1	0.5	8,600	13,748	*			0	
TOTAL		59.3	2,043,177	11,980,173	*			834,751	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOITY --

MARYLAND

COLLEGE PARK

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	9	2.8	96,144	943,818	*	109,535
0200 WATER	8	1.0	67,049	463,877	*	69,784
0300 WATERSHEDS RIVER BAS	6	1.4	63,799	490,827	*	69,783
0400 AIR AND CLIMATE	1	0.3	27,328	101,312	*	0
0500 RECREATION RESOURCES	3	1.1	60,594	332,886	*	11,768
0600 TIMBER FORST PRODUCT	8	3.0	234,797	950,291	*	32,770
0800 WILDLIFE AND FISH	6	1.6	21,482	320,911	*	184
1000 FRUIT NUTS DECIDUOUS	8	4.3	140,970	1,058,689	*	76,663
1100 POTATOES	2	0.1	5,054	46,268	*	7,283
1200 VEGETABLES	12	4.5	136,988	1,247,764	*	186,493
1300 ORNAMENTALS TURF	7	3.6	137,537	961,175	*	96,464
1400 CORN	7	1.0	37,706	466,652	*	51,755
1700 WHEAT	5	1.2	45,633	342,215	*	11,046
1800 OTHER SMALL GRAINS	5	1.3	42,437	441,862	*	42,824
1900 PASTURE	2	0.1	3,515	52,046	*	1,743
2000 FORAGE CROPS	4	1.3	55,337	396,700	*	55,837
2300 SOYBEANS	11	3.3	44,075	968,493	*	57,835
2500 OTHER DILSEED CROPS	1	0.4	5,277	45,567	*	0
2600 TOBACCO	5	1.4	18,454	379,244	*	23,668
2800 MISC NEW CROPS	1	0.0	0	33,721	*	0
2900 POULTRY	15	8.0	380,330	2,624,460	*	108,989
3000 BEEF CATTLE	9	2.1	82,806	869,350	*	59,811
3100 DAIRY CATTLE	13	6.3	233,169	2,374,721	*	256,991
3200 SWINE	2	0.9	5,979	252,139	*	0
3300 SHEEP AND WOOL	1	0.0	0	2,493	*	0
3400 OTHER ANIMALS	1	1.3	16,184	269,313	*	0
3700 CLOTHING & TEXTILES	1	0.0	5,188	5,661	*	0
3800 FOOD	4	1.6	119,131	344,300	*	30,449
3900 HOUSING & EQUIP	1	0.0	0	16,860	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	51	*	51
4100 FAMILY MEMBERS	2	0.6	10,282	114,232	*	0
4200 FARM AS BUSINESS	2	0.9	5,182	135,928	*	0
4300 SOC POLIT ORGANIZ	1	0.0	0	4,987	*	0
4400 AGRIC ECONOMY U S	2	0.9	31,431	206,581	*	5,098
4500 AGRIC ECONOMY FORGN	1	0.2	7,778	38,725	*	1,274
6100 WEEDS	1	0.7	20,183	230,572	*	0
6500 INVERTEBRATES	5	1.3	76,251	659,294	*	11,171
6600 MICROORGANISMS VIRUSES	3	1.6	21,555	335,845	*	30,264
6700 PLANTS	9	3.4	71,806	866,936	*	248,861
6800 ANIMALS(VERTEBRATES)	1	0.1	2,300	81,291	*	0
6900 RESEARCH ON RSCH MGMT	1	0.0	0	51	*	51
7000 RSCH EQUIP & TECHNOLOGY	1	1.0	0	360,658	*	0
TOTAL		64.9	2,331,733	19,858,604	*	1,638,441

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOITY --

MASSACHUSETTS

AMHERST

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	6	1.4	85,280	283,445	*	0
0200 WATER	1	0.5	15,532	62,456	*	0
0300 WATERSHEDS RIVER BAS	3	1.2	25,880	113,904	*	0
0600 TIMBER FORST PRODUCT	18	4.1	203,218	764,708	*	31,455
0800 WILDLIFE AND FISH	5	1.0	53,696	290,256	*	4,630
1000 FRUIT NUTS DECIDUOUS	15	5.0	230,631	1,172,621	*	13,045
1100 POTATOES	2	0.4	41,758	140,660	*	0
1200 VEGETABLES	15	5.4	169,963	739,048	*	74,010
1300 ORNAMENTALS TURF	7	1.6	60,987	262,265	*	41,951
1400 CORN	5	0.3	27,821	95,866	*	25,504
2000 FORAGE CROPS	7	1.4	65,095	261,755	*	41,940
2300 SOYBEANS	4	1.3	33,383	160,885	*	10,761
2600 TOBACCO	2	0.2	7,312	24,517	*	0
2900 POULTRY	3	1.4	61,418	330,358	*	11,888
3000 BEEF CATTLE	2	0.8	41,302	231,468	*	107,707
3100 DAIRY CATTLE	4	4.0	84,695	611,133	*	0
3300 SHEEP AND WOOL	1	0.1	11,651	15,400	*	0
3400 OTHER ANIMALS	3	0.8	25,851	227,435	*	107,707
3600 FARM SUPP & FACILITS	1	0.0	0	4,697	*	4,697
3700 CLOTHING & TEXTILES	1	0.6	5,325	86,478	*	0
3800 FOOD	10	3.8	252,743	781,596	*	0
4000 PEOPLE AS INDIVIDUALS	7	1.6	54,307	416,534	*	32,711
4300 SOC POLIT ORGANIZ	5	1.1	63,736	326,767	*	903
4400 AGRIC ECONOMY U S	1	0.4	18,374	57,647	*	0
6300 BIO CELL SYSTEMS	1	0.1	5,786	25,214	*	0
6500 INVERTEBRATES	19	3.3	213,260	885,696	*	296,838
6600 MICROORGANISMS VIRUSES	8	1.0	76,604	379,807	*	61,998
6700 PLANTS	2	0.5	5,935	27,477	*	3,283
6800 ANIMALS(VERTEBRATES)	5	3.0	126,555	490,169	*	0
TOTAL		46.5	2,068,098	9,290,363	*	871,008

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	MICHIGAN	LANSING	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	25	9.1	192,750	5,733,455	*	45,875
0200 WATER	13	3.5	117,884	1,254,353	*	258,168
0400 AIR AND CLIMATE	4	0.9	37,141	307,958	*	0
0500 RECREATION RESOURCES	3	2.0	0	510,961	*	0
0600 TIMBER FORST PRODUCT	35	10.7	204,992	3,212,451	*	1,123,181
0800 WILDLIFE AND FISH	14	6.0	140,397	3,201,529	*	449,908
1000 FRUIT NUTS DECIDUOUS	35	10.9	347,393	3,582,279	*	598,138
1100 POTATOES	7	2.8	55,050	931,724	*	418,638
1200 VEGETABLES	31	9.5	518,491	2,790,755	*	449,312
1300 ORNAMENTALS TURF	9	3.3	61,461	1,228,002	*	0
1400 CORN	8	1.2	8,397	347,725	*	6,072
1600 RICE	2	0.2	591	26,672	*	0
1700 WHEAT	3	0.7	16,822	128,121	*	0
1800 OTHER SMALL GRAINS	4	2.7	45,812	809,480	*	97,331
2000 FORAGE CROPS	7	2.4	79,128	503,407	*	6,256
2300 SOYBEANS	9	1.6	12,764	516,263	*	18,319
2500 OTHER OILSEED CROPS	3	0.6	19,761	138,868	*	0
2600 TOBACCO	1	0.2	0	54,929	*	0
2700 SUGAR CROPS	3	0.3	1,251	227,124	*	141,782
2800 MISC NEW CROPS	2	0.0	2,293	1,291,446	*	1,253,994
2900 POULTRY	14	4.6	81,876	1,194,568	*	56,448
3000 BEEF CATTLE	20	3.8	102,031	1,598,715	*	168,893
3100 DAIRY CATTLE	21	7.3	380,234	2,307,285	*	132,717
3200 SWINE	18	5.2	258,286	1,446,289	*	56,130
3300 SHEEP AND WOOL	2	0.3	25,840	151,290	*	6,859
3400 OTHER ANIMALS	5	1.0	0	531,842	*	105,605
3500 BEES AND HONEY	2	0.2	0	129,224	*	0
3600 FARM SUPP & FACILITS	3	1.4	106,835	230,284	*	0
3700 CLOTHING & TEXTILES	1	0.2	8,362	29,465	*	0
3800 FOOD	28	12.9	423,679	2,702,719	*	252,787
4000 PEOPLE AS INDIVIDUALS	10	2.5	72,638	620,036	*	0
4100 FAMILY MEMBERS	10	1.6	39,135	354,478	*	0
4200 FARM AS BUSINESS	4	1.3	8,024	330,067	*	703
4300 SOC POLIT ORGANIZ	13	5.1	63,773	699,807	*	0
4400 AGRIC ECONOMY U S	5	1.9	28,611	446,378	*	14,357
4500 AGRIC ECONOMY FORGN	1	10.8	0	3,894,845	*	73,909
4800 MARKETING SYSTEMS	2	1.5	83,003	254,057	*	0
6100 WEEDS	3	1.6	128,827	456,387	*	0
6300 BIO CELL SYSTEMS	6	2.2	55,668	447,369	*	4,819
6400 EXP DESIGN/STAT METHOD	3	1.0	38,663	142,670	*	0
6500 INVERTEBRATES	7	1.1	47,113	413,388	*	24,721
6600 MICROORGANISMS VIRUSES	7	2.1	97,609	736,296	*	85,349
6700 PLANTS	26	9.2	160,654	3,403,706	*	1,173,184
6800 ANIMALS(VERTEBRATES)	19	7.3	245,253	1,695,535	*	259,770
6900 RESEARCH ON RSCH MGMT	2	0.8	14,157	159,697	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	1.8	120,480	259,210	*	0
TOTAL		157.3	4,453,129	51,433,207	*	7,283,224

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	MINNESOTA		ST PAUL		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA SYS 1990	CDN/GT/CA	WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	29	11.8	223,321	3,878,489	*			451,510	
0200 WATER	12	3.2	68,846	1,311,581	*			12,888	
0300 WATERSHEDS RIVER BAS	3	1.1	22,634	290,808	*			3,125	
0400 AIR AND CLIMATE	5	1.8	56,740	364,088	*			17,667	
0500 RECREATION RESOURCES	2	0.5	4,130	242,431	*			43,341	
0600 TIMBER FORST PRODUCT	41	16.3	570,737	4,308,312	*			175,176	
0800 WILDLIFE AND FISH	10	6.1	68,219	1,915,068	*			26,780	
1000 FRUIT NUTS DECIOUOUS	9	2.7	9,571	828,197	*			23,121	
1100 POTATOES	12	5.6	72,299	1,349,587	*			128,321	
1200 VEGETABLES	20	6.7	109,585	1,827,126	*			18,360	
1300 ORNAMENTALS TURF	13	3.6	41,676	1,024,630	*			24,697	
1400 CORN	32	10.0	226,781	3,014,958	*			126,910	
1600 RICE	6	2.7	0	623,032	*			18,413	
1700 WHEAT	15	1.4	50,329	630,184	*			104,740	
1800 OTHER SMALL GRAINS	13	4.5	121,623	1,517,591	*			120,571	
2000 FORAGE CROPS	22	6.3	353,827	1,944,456	*			140,773	
2300 SOYBEANS	22	5.5	65,020	1,783,119	*			36,336	
2500 OTHER OILSEED CROPS	2	0.6	0	104,502	*			0	
2600 TOBACCO	1	0.3	0	39,640	*			0	
2700 SUGAR CROPS	3	1.5	148	329,157	*			0	
2800 MISC NEW CROPS	1	0.8	0	141,125	*			0	
2900 POULTRY	19	7.8	289,605	2,213,985	*			58,640	
3000 BEEF CATTLE	14	5.6	91,501	1,985,087	*			55,784	
3100 DAIRY CATTLE	24	11.0	374,843	4,111,243	*			21,166	
3200 SWINE	26	8.6	288,591	3,170,097	*			86,328	
3300 SHEEP AND WOOL	8	1.8	31,738	837,892	*			57,527	
3400 OTHER ANIMALS	1	0.0	0	44,581	*			0	
3500 BEES AND HONEY	1	0.5	0	104,492	*			0	
3600 FARM SUPP & FACILITS	2	1.2	102,076	444,058	*			1,463	
3700 CLOTHING & TEXTILES	9	3.5	31,250	460,811	*			0	
3800 FOOD	24	10.3	372,272	2,927,482	*			101,282	
3900 HOUSING & EQUIP	5	1.9	6,000	411,652	*			0	
4000 PEOPLE AS INDIVIDUALS	14	6.0	95,006	819,480	*			0	
4100 FAMILY MEMBERS	20	5.7	60,574	1,115,709	*			0	
4200 FARM AS BUSINESS	5	0.9	42,022	185,889	*			0	
4300 SOC POLIT ORGANIZ	5	1.0	78,170	369,428	*			133,835	
4400 AGRIC ECONOMY U S	7	3.5	82,723	606,620	*			62,180	
4500 AGRIC ECONOMY FORGN	4	1.8	100,808	393,019	*			11,559	
4700 OTH MARKET PROCESS	1	0.2	5,154	38,509	*			0	
4800 MARKETING SYSTEMS	2	0.7	59,013	156,618	*			0	
6100 WEEOS	4	1.0	13,934	275,541	*			535	
6300 BIO CELL SYSTEMS	7	2.3	88,906	700,780	*			46,595	
6400 EXP DESIGN/STAT METHDD	3	1.5	58,340	270,316	*			21,930	
6500 INVERTEBRATES	7	3.5	44,843	830,242	*			48,521	
6600 MICROORGANISMS VIRUSES	3	3.2	10,995	622,959	*			32,118	
6700 PLANTS	13	2.2	28,282	608,502	*			142,432	
6800 ANIMALS(VERTEBRATES)	8	2.5	124,010	763,762	*			21,711	
6900 RESEARCH ON RSCH MGMT	3	0.7	84,941	166,480	*			5,167	
7000 RSCH EQUIP & TECHNOLOGY	4	1.2	0	347,198	*			5,252	
TOTAL		183.1	4,666,183	52,448,491	*			2,386,732	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	MISSISSIPPI		STATE COLLEGE		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	11	9.4	179,789	1,382,333	*			98,914	
0200 WATER	5	1.1	36,131	146,009	*			11,595	
0300 WATERSHEDS RIVER BAS	3	1.2	3,649	82,174	*			41,413	
0400 AIR AND CLIMATE	1	0.1	2,132	7,599	*			0	
0500 RECREATION RESOURCES	73	28.3	521,941	6,406,165	*			1,071,560	
0600 TIMBER FORST PRODUCT	66	24.2	152,759	6,179,487	*			1,345,239	
0800 WILDLIFE AND FISH	11	6.1	315,312	1,054,439	*			99,872	
1000 FRUIT NUTS DECIOUOUS	1	0.1	6,633	21,536	*			0	
1100 POTATOES	10	5.8	291,477	897,743	*			0	
1200 VEGETABLES	6	6.2	380,405	891,333	*			1,722	
1300 ORNAMENTALS TURF	11	1.3	43,288	235,061	*			0	
1400 CORN	9	6.9	121,112	1,063,871	*			14,084	
1500 GRAIN SORGHUM	9	4.3	69,992	1,012,340	*			0	
1600 RICE	10	1.5	19,083	331,868	*			20,171	
1700 WHEAT	1	1.0	59,574	182,678	*			735	
1900 PASTURE	11	5.0	201,092	967,182	*			4,333	
2000 FORAGE CROPS	33	19.3	374,355	2,815,732	*			52,967	
2100 COTTON	35	12.7	189,625	2,104,861	*			38,255	
2300 SOYBEANS	1	0.2	11,701	30,992	*			0	
2500 OTHER OILSEED CROPS	1	0.3	0	252,358	*			124,832	
2600 MISC NEW CROPS	20	9.3	191,891	1,755,172	*			2,941	
2900 POULTRY	13	9.5	418,170	2,448,155	*			0	
3000 BEEF CATTLE	16	9.5	206,915	2,322,372	*			3,319	
3100 DAIRY CATTLE	9	3.5	109,431	591,620	*			0	
3200 SWINE	3	0.8	10,613	165,868	*			0	
3300 SHEEP AND WOOL	1	1.3	7,623	107,241	*			0	
3700 CLOTHING & TEXTILES	4	1.6	12,859	381,640	*			0	
3800 FOOD	1	1.5	0	69,704	*			0	
3900 HOUSING & EQUIP	2	0.8	0	65,965	*			0	
4000 PEOPLE AS INDIVIDUALS	2	0.6	0	63,801	*			0	
4100 FAMILY MEMBERS	4	0.9	7,679	123,395	*			0	
4200 FARM AS BUSINESS	9	3.2	1,098	540,531	*			243,373	
4300 SOC POLIT ORGANIZ	2	0.1	5,917	19,911	*			0	
4400 AGRIC ECONOMY U S	1	0.1	1,082	6,054	*			0	
4600 FARM COOPERATIVES	1	0.1	5,618	12,602	*			0	
4700 OTH MARKET PROCESS	3	0.6	10,362	58,113	*			0	
4800 MARKETING SYSTEMS	4	2.1	7,906	207,460	*			0	
6200 SEED RESEARCH	4	1.8	10,695	329,599	*			17,380	
6500 INVERTEBRATES	1	0.5	19,368	56,875	*			0	
6600 MICROORGANISMS VIRUSES	7	4.4	12,999	883,105	*			0	
6700 PLANTS	3	3.6	29,433	694,739	*			0	
6800 ANIMALS(VERTEBRATES)	1	1.7	34,868	395,920	*			9,932	
7000 RSCH EQUIP & TECHNOLOGY					*				
TOTAL		192.7	4,084,576	37,365,804	*			3,202,637	



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	MISSOURI		COLUMBIA		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	17	6.2	208,988	1,048,031	*			32,012	
0200 WATER	12	2.2	73,504	393,049	*			58,057	
0300 WATERSHEDS RIVER BAS	3	0.5	61,916	194,236	*			0	
0400 AIR AND CLIMATE	6	2.4	87,403	532,800	*			0	
0500 RECREATION RESOURCES	2	0.2	5,506	32,276	*			0	
0600 TIMBER FORST PRODUCT	17	5.9	218,806	982,314	*			77,955	
0800 WILDLIFE AND FISH	9	3.0	90,353	1,189,742	*			24,864	
1000 FRUIT NUTS DECIDUOUS	10	3.2	124,075	515,647	*			0	
1100 POTATOES	1	0.2	8,161	30,759	*			0	
1200 VEGETABLES	2	0.7	27,199	109,692	*			0	
1300 ORNAMENTALS TURF	4	2.2	69,659	412,221	*			329	
1400 CORN	21	5.7	146,140	1,433,903	*			35,565	
1500 GRAIN SORGHUM	7	0.7	7,742	254,004	*			380	
1600 RICE	4	1.3	6,975	281,802	*			0	
1700 WHEAT	11	3.6	94,834	732,917	*			27,951	
1800 OTHER SMALL GRAINS	3	0.5	22,362	126,729	*			0	
1900 PASTURE	1	0.1	5,100	32,157	*			0	
2000 FORAGE CROPS	15	5.0	284,311	1,198,359	*			7,477	
2100 COTTON	5	0.5	26,719	141,053	*			0	
2300 SOYBEANS	29	7.5	195,048	1,938,599	*			392,891	
2500 OTHER OILSEED CROPS	2	0.2	6,871	36,273	*			0	
2800 MISC NEW CROPS	2	0.1	545	24,885	*			0	
2900 POULTRY	14	3.6	157,774	757,446	*			0	
3000 BEEF CATTLE	38	11.1	486,807	2,374,914	*			65,938	
3100 DAIRY CATTLE	28	5.9	317,809	1,485,808	*			0	
3200 SWINE	30	8.3	422,498	2,184,955	*			299,608	
3300 SHEEP AND WOOL	15	3.6	76,720	974,341	*			88,751	
3400 OTHER ANIMALS	9	0.7	77,342	351,878	*			0	
3600 FARM SUPP & FACILITS	2	1.1	12,170	170,761	*			0	
3800 FOOD	11	1.8	58,622	763,191	*			292,677	
3900 HOUSING & EQUIP	2	0.5	3,028	138,935	*			500	
4000 PEOPLE AS INDIVIDUALS	9	1.4	51,155	500,586	*			11,497	
4100 FAMILY MEMBERS	4	1.0	39,088	180,166	*			0	
4200 FARM AS BUSINESS	6	2.9	73,079	407,840	*			4,337	
4300 SOC POLIT ORGANIZ	6	4.9	125,215	864,877	*			17,846	
4400 AGRIC ECONOMY U S	4	0.6	66,886	294,374	*			7,606	
4500 AGRIC ECONOMY FORGN	1	0.6	27,054	107,611	*			0	
4600 FARM COOPERATIVES	2	0.8	20,731	156,661	*			909	
4700 OTH MARKET PROCESS	1	0.4	9,322	34,519	*			0	
4800 MARKETING SYSTEMS	3	0.9	16,944	333,466	*			244,981	
6100 WEEDS	3	0.9	13,131	282,192	*			0	
6200 SEED RESEARCH	3	0.2	2,631	321,985	*			0	
6300 BIO CELL SYSTEMS	11	4.0	118,984	891,976	*			0	
6400 EXP DESIGN/STAT METHOD	2	0.9	24,529	142,296	*			0	
6500 INVERTEBRATES	4	0.8	38,495	290,195	*			1,017	
6600 MICROORGANISMS VIRUSES	22	7.2	150,408	1,357,263	*			143,894	
6700 PLANTS	24	8.5	179,280	1,820,708	*			110,716	
6800 ANIMALS(VERTEBRATES)	12	4.6	77,980	899,748	*			0	
7000 RSCH EQUIP & TECHNOLOGY	2	0.1	2,027	34,933	*			0	
TOTAL		129.4	4,421,525	29,783,072	*			1,947,759	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	MONTANA		BOZEMAN		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	17	4.1	133,044	665,068	*			14,101	
0200 WATER	10	3.1	46,519	488,096	*			0	
0300 WATERSHEDS RIVER BAS	4	0.9	1,835	97,009	*			0	
0400 AIR AND CLIMATE	2	0.2	3,049	30,298	*			0	
0700 RANGE	19	2.6	54,034	596,980	*			13,698	
0800 WILDLIFE AND FISH	1	0.3	12,984	66,282	*			0	
1000 FRUIT NUTS DECIDUOUS	1	0.1	35,967	40,403	*			0	
1100 POTATOES	2	0.3	0	51,921	*			0	
1200 VEGETABLES	11	2.5	15,358	326,036	*			23,911	
1300 ORNAMENTALS TURF	1	0.0	0	4,352	*			0	
1400 CORN	5	1.1	7,916	186,105	*			0	
1700 WHEAT	46	11.8	246,636	2,000,531	*			51,042	
1800 OTHER SMALL GRAINS	37	8.7	259,014	1,492,307	*			17,786	
1900 PASTURE	4	0.5	31,851	95,190	*			603	
2000 FORAGE CROPS	27	4.6	85,168	751,152	*			49,756	
2300 SOYBEANS	1	0.1	0	37,624	*			0	
2500 OTHER OILSEED CROPS	7	0.8	84,052	300,435	*			0	
2700 SUGAR CROPS	2	0.7	0	207,513	*			0	
2800 MISC NEW CROPS	4	0.3	5,938	90,993	*			0	
2900 POULTRY	1	0.0	0	5,917	*			0	
3000 BEEF CATTLE	31	10.7	284,443	2,792,515	*			325,689	
3100 DAIRY CATTLE	3	0.2	0	68,326	*			4,222	
3200 SWINE	8	1.3	71,590	591,924	*			0	
3300 SHEEP AND WOOL	9	2.5	133,831	974,666	*			44,960	
3400 OTHER ANIMALS	2	0.4	51,812	89,882	*			0	
3600 FARM SUPP & FACILITS	2	0.7	0	119,137	*			0	
3800 FOOD	2	2.3	12,819	181,569	*			0	
4000 PEOPLE AS INDIVIDUALS	3	0.6	3,260	98,648	*			0	
4100 FAMILY MEMBERS	2	0.5	20,137	76,366	*			0	
4200 FARM AS BUSINESS	3	1.0	10,951	93,414	*			0	
4300 SOC POLIT ORGANIZ	1	1.2	24,426	134,619	*			0	
4400 AGRIC ECONOMY U S	2	0.4	6,977	39,519	*			0	
6100 WEEDS	10	2.6	70,073	349,656	*			11,458	
6200 SEED RESEARCH	3	0.7	1,775	78,315	*			0	
6300 BIO CELL SYSTEMS	1	0.0	0	302	*			0	
6500 INVERTEBRATES	12	3.7	80,545	333,833	*			8,704	
6600 MICROORGANISMS VIRUSES	10	1.3	14,649	222,009	*			1,992	
6700 PLANTS	7	2.2	5,383	522,194	*			0	
6800 ANIMALS(VERTEBRATES)	2	0.8	725	230,997	*			0	
7000 RSCH EQUIP & TECHNOLOGY	2	0.1	0	9,929	*			0	
TOTAL		75.9	1,816,562	14,542,032	*			567,922	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	N MARIANAS		SAIPAN		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
1200 VEGETABLES	5	1.0	234,881	487,054		*		0	
TOTAL		1.0	234,881	487,054		*		0	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	NEBRASKA		LINCOLN		SAES	
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	29	6.7	152,341	1,142,581		*		31,442	
0200 WATER	22	5.5	114,004	974,483		*		83,776	
0400 AIR AND CLIMATE	5	1.4	15,185	323,014		*		0	
0800 TIMBER FORST PRODUCT	6	2.7	128,499	356,595		*		12,398	
0700 RANGE	8	1.8	42,561	631,701		*		96,142	
0800 WILDLIFE AND FISH	3	1.6	10,535	250,718		*		548	
1000 FRUIT NUTS DECIDUOUS	1	0.3	3,050	37,539		*		0	
1100 POTATDES	3	0.1	453	19,189		*		0	
1200 VEGETABLES	18	7.5	128,605	1,289,348		*		114	
1300 ORNAMENTALS TURF	9	4.4	52,015	695,319		*		0	
1400 CORN	58	11.4	253,079	2,111,598		*		55,111	
1500 GRAIN SORGHUM	31	8.1	125,844	1,392,837		*		114	
1700 WHEAT	30	5.0	113,577	984,385		*		58,627	
1800 OTHER SMALL GRAINS	16	3.0	26,804	540,085		*		5,237	
1900 PASTURE	4	0.6	42,317	275,701		*		0	
2000 FORAGE CROPS	17	3.4	93,512	872,330		*		0	
2300 SOYBEANS	41	8.5	206,885	1,724,629		*		144,818	
2500 OTHER OILSEED CROPS	1	0.0	0	1,410		*		0	
2700 SUGAR CROPS	5	1.8	46,312	329,509		*		0	
2800 MISC NEW CROPS	3	0.5	100	154,839		*		73,964	
2900 PDLTRY	11	3.9	120,084	886,604		*		0	
3000 BEEF CATTLE	52	16.0	426,815	9,297,052		*		1,007,482	
3100 DAIRY CATTLE	24	4.4	89,772	1,284,975		*		57,010	
3200 SWINE	33	13.1	283,543	5,329,253		*		1,985,370	
3300 SHEEP AND WOOL	10	2.3	32,691	1,925,875		*		1,474,256	
3400 OTHER ANIMALS	4	1.0	5,092	271,142		*		0	
3600 FARM SUPP & FACILITS	3	2.4	8,251	434,556		*		0	
3700 CLOTHING & TEXTILES	3	0.5	22,207	90,588		*		0	
3800 FOOD	8	2.3	50,689	455,232		*		0	
3900 HOUSING & EQUIP	3	0.8	14,348	109,520		*		0	
4000 PEOPLE AS INDIVIDUALS	5	2.1	2,354	277,620		*		0	
4100 FAMILY MEMBERS	10	3.4	31,344	260,519		*		0	
4200 FARM AS BUSINESS	3	0.5	4,134	69,456		*		0	
4300 SOC POLIT ORGANIZ	2	0.4	8,494	61,421		*		0	
4400 AGRIC ECONDMY U S	1	1.2	52,242	224,027		*		0	
4800 MARKETING SYSTEMS	1	0.9	27,535	155,717		*		18,264	
6100 WEEDS	4	1.7	45,928	461,761		*		14,221	
6200 SEED RESEARCH	1	0.0	0	445,805		*		0	
6400 EXP DESIGN/STAT METHDD	2	2.5	4,860	437,339		*		0	
6500 INVERTEBRATES	4	1.6	14,129	216,061		*		30,109	
6600 MICROORGANISMS VIRUSES	10	3.8	40,861	774,478		*		0	
6700 PLANTS	21	8.6	182,157	2,182,346		*		129,374	
6800 ANIMALS(VERTEBRATES)	3	0.7	3,719	303,830		*		2,534	
7000 RSCH EQUIP & TECHNLDGY	3	0.3	2,530	44,140		*		0	
TOTAL		149.1	3,029,237	40,107,108		*		5,280,910	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD [GROSS] 1990	NEVAQA	RENO	SAES
				TOTAL FUNDS [GROSS] 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	15	1.2	48,212	202,233	*	0
0200 WATER	14	1.3	38,465	219,552	*	2,368
0300 WATERSHEDS RIVER BAS	7	0.8	38,135	222,822	*	0
0500 RECREATION RESOURCES	1	0.1	0	46,665	*	0
0600 TIMBER FORST PRODUCT	10	1.8	41,384	224,475	*	0
0700 RANGE	15	1.3	35,708	399,583	*	2,368
0800 WILDLIFE AND FISH	11	1.1	52,102	311,275	*	0
1100 POTATOES	1	0.0	0	66	*	44
1200 VEGETABLES	3	0.0	3,136	5,711	*	44
1300 ORNAMENTALS TURF	9	2.1	48,587	238,572	*	0
1400 CORN	1	0.0	3,547	10,109	*	0
1700 WHEAT	1	0.0	0	66	*	44
1800 OTHER SMALL GRAINS	3	0.2	10,688	29,724	*	44
2000 FORAGE CROPS	11	2.7	104,466	426,822	*	262
2100 COTTON	1	0.0	1,032	3,118	*	0
2800 MISC NEW CROPS	1	0.6	28,384	79,602	*	0
3000 BEEF CATTLE	24	5.7	179,631	1,170,154	*	47,068
3100 DAIRY CATTLE	7	0.8	12,444	199,374	*	46,826
3200 SWINE	1	0.3	7,683	37,133	*	0
3300 SHEEP AND WOOL	3	1.2	40,912	228,911	*	0
3400 OTHER ANIMALS	2	0.6	47,087	169,473	*	0
3600 FARM SUPP & FACILITS	1	0.3	9,548	21,592	*	0
3700 CLOTHING & TEXTILES	1	0.3	9,291	28,059	*	0
3800 FOOD	1	0.3	23,245	50,899	*	0
3900 HOUSING & EQUIP	2	0.0	0	8,126	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.2	13,137	37,382	*	0
4100 FAMILY MEMBERS	4	1.0	49,839	192,288	*	0
4200 FARM AS BUSINESS	5	0.5	11,837	42,353	*	0
4300 SOC POLIT ORGANIZ	7	0.5	19,330	112,932	*	0
6300 BIO CELL SYSTEMS	9	1.1	43,346	432,801	*	0
6400 EXP DESIGN/STAT METHOD	2	0.2	5,448	17,757	*	0
6500 INVERTEBRATES	14	3.6	70,621	891,563	*	87,197
6600 MICROORGANISMS VIRUSES	1	0.2	12,793	105,416	*	0
6700 PLANTS	15	1.7	58,849	816,683	*	144,932
6800 ANIMALS(VERTEBRATES)	6	1.1	26,325	345,603	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.0	571	46,016	*	0
TOTAL		33.1	1,096,782	7,374,909	*	331,196

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD [GROSS] 1990	NEW HAMPSHIRE	OURHAM	SAES
				TOTAL FUNDS [GROSS] 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	8	1.4	63,569	217,293	*	0
0200 WATER	8	1.1	53,533	133,173	*	0
0500 RECREATION RESOURCES	2	0.4	31,011	89,883	*	0
0600 TIMBER FORST PRODUCT	19	4.7	238,305	572,992	*	60,000
0800 WILDLIFE AND FISH	11	2.6	97,959	256,197	*	0
1000 FRUIT NUTS DECIDUOUS	4	1.5	67,328	163,421	*	0
1200 VEGETABLES	5	2.3	130,047	377,349	*	0
1300 ORNAMENTALS TURF	1	0.2	0	15,744	*	0
1400 CORN	3	0.5	36,136	122,131	*	0
2000 FORAGE CROPS	1	0.1	179	7,048	*	0
2300 SOYBEANS	1	0.5	50,790	99,522	*	0
2500 OTHER OILSEED CROPS	1	0.2	14,902	31,427	*	0
2800 MISC NEW CROPS	1	0.2	6,701	60,348	*	0
2900 POULTRY	3	1.2	100,546	351,596	*	0
3000 BEEF CATTLE	1	0.1	2,135	3,292	*	0
3100 DAIRY CATTLE	6	3.0	165,963	664,295	*	0
3200 SWINE	4	1.0	102,797	173,509	*	0
3400 OTHER ANIMALS	4	1.5	84,563	153,030	*	0
3900 HOUSING & EQUIP	3	0.1	12,604	26,108	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.0	1,291	17,870	*	0
4100 FAMILY MEMBERS	2	0.0	4,072	26,247	*	0
4300 SOC POLIT ORGANIZ	8	1.5	32,420	208,787	*	0
6400 EXP DESIGN/STAT METHOD	1	0.1	7,316	13,282	*	0
6500 INVERTEBRATES	8	1.9	83,526	187,027	*	30,000
6600 MICROORGANISMS VIRUSES	5	1.0	40,770	168,136	*	30,000
6700 PLANTS	2	0.3	18,287	59,196	*	0
6800 ANIMALS(VERTEBRATES)	3	0.2	18,608	21,916	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	2,578	2,578	*	0
TOTAL		27.9	1,487,936	4,223,499	*	120,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	NEW JERSEY	NEW BRUNSWICK	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	17	4.6	39,185	654,132	*	0
0200 WATER	12	4.2	23,184	744,079	*	0
0300 WATERSHEDS RIVER BAS	2	0.1	2,507	32,190	*	0
0400 AIR AND CLIMATE	3	0.7	11,993	162,091	*	0
0600 TIMBER FORST PRODUCT	10	2.5	195,472	555,988	*	5,433
0800 WILDLIFE AND FISH	12	4.9	13,523	1,020,486	*	0
1000 FRUIT NUTS DECIDUOUS	24	9.7	245,204	1,409,483	*	198,080
1100 POTATOES	8	2.5	68,147	244,817	*	301
1200 VEGETABLES	30	7.4	300,825	1,430,042	*	15,854
1300 ORNAMENTALS TURF	7	3.5	85,511	819,301	*	0
1400 CORN	10	1.8	38,562	266,260	*	5,537
1700 WHEAT	4	0.5	18,888	122,128	*	0
1800 OTHER SMALL GRAINS	1	0.1	0	18,858	*	0
2000 FORAGE CROPS	3	1.1	21,947	135,455	*	0
2100 COTTON	1	0.1	0	18,858	*	0
2200 COTTONSEED	1	0.0	0	8,243	*	5,298
2300 SOYBEANS	6	0.9	24,842	110,770	*	5,537
2400 PEANUTS	1	0.0	0	8,243	*	5,298
2900 POULTRY	11	3.1	83,150	809,432	*	42,800
3000 BEEF CATTLE	1	0.7	3,821	77,226	*	0
3100 DAIRY CATTLE	6	0.5	49,029	212,316	*	0
3200 SWINE	2	0.1	2,696	50,711	*	0
3300 SHEEP AND WOOL	2	0.2	6,693	78,351	*	0
3400 OTHER ANIMALS	3	0.8	18,823	127,997	*	0
3500 BEES AND HONEY	1	0.6	12,278	70,277	*	0
3600 FARM SUPP & FACILITS	5	1.1	47,183	335,178	*	0
3800 FOOD	20	10.1	174,068	1,028,338	*	4,283
3900 HOUSING & EQUIP	4	2.3	49,725	269,589	*	0
4000 PEOPLE AS INDIVIDUALS	22	5.8	54,297	1,006,982	*	0
4200 FARM AS BUSINESS	2	0.3	53,502	75,156	*	0
4300 SOC POLIT ORGANIZ	3	0.5	26,422	144,754	*	0
4500 AGRIC ECONOMY FORGN	1	1.0	0	87,781	*	0
4800 MARKETING SYSTEMS	2	0.8	4,447	86,333	*	0
6100 WEEQS	2	0.5	8,825	56,032	*	0
6300 BIO CELL SYSTEMS	14	5.5	124,342	1,012,496	*	0
6400 EXP DESIGN/STAT METHOD	4	1.3	17,332	419,328	*	0
6500 INVERTEBRATES	14	3.5	110,283	429,155	*	38,548
6600 MICROORGANISMS VIRUSES	15	3.6	151,712	885,461	*	18,000
6700 PLANTS	14	7.3	385,690	1,086,283	*	430,581
6800 ANIMALS(VERTEBRATES)	7	1.0	10,909	285,917	*	86,617
6900 RESEARCH ON RSCH MGMT	3	0.3	31,265	105,026	*	0
7000 RSCH EQUIP & TECHNOLOGY	4	0.9	1,133	235,742	*	0
TOTAL		96.4	2,495,014	16,517,285	*	860,122

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	NEW MEXICO	UNIVERSITY PARK	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	11	2.6	15,933	384,529	*	14,319
0200 WATER	14	3.2	60,577	548,670	*	24,207
0300 WATERSHEDS RIVER BAS	4	0.7	17,851	85,005	*	0
0500 RECREATION RESOURCES	3	0.9	8,814	207,455	*	0
0600 TIMBER FORST PRODUCT	9	3.6	171,317	798,579	*	25,881
0700 RANGE	17	3.5	89,617	653,451	*	80,037
0800 WILDLIFE AND FISH	6	1.9	6,954	624,710	*	151,668
1000 FRUIT NUTS DECIDUOUS	10	1.5	12,186	216,767	*	532
1100 POTATOES	2	0.2	0	25,105	*	0
1200 VEGETABLES	21	6.0	132,668	1,157,016	*	64,995
1300 ORNAMENTALS TURF	6	2.5	24,188	168,420	*	19,313
1400 CORN	10	1.3	23,250	169,325	*	532
1500 GRAIN SORGHUM	12	0.7	1,132	204,299	*	0
1700 WHEAT	12	0.8	7,310	188,326	*	532
1800 OTHER SMALL GRAINS	6	0.4	0	78,711	*	0
1900 PASTURE	6	1.5	141,597	283,195	*	0
2000 FORAGE CROPS	24	4.9	184,912	1,378,119	*	565,016
2100 COTTON	15	3.1	171,046	614,822	*	532
2300 SOYBEANS	6	0.6	0	68,417	*	30,804
2400 PEANUTS	2	1.0	0	89,777	*	0
2500 OTHER OILSEED CROPS	5	0.9	0	94,091	*	59,795
2700 SUGAR CROPS	3	0.1	0	48,698	*	0
2800 MISC NEW CROPS	11	2.0	58,346	379,819	*	73,382
2900 POULTRY	1	0.6	0	81,336	*	0
3000 BEEF CATTLE	24	8.7	294,989	1,549,337	*	30,089
3100 DAIRY CATTLE	2	0.1	2,822	41,077	*	0
3200 SWINE	1	0.0	0	2,343	*	0
3300 SHEEP AND WOOL	10	1.8	78,814	275,039	*	7,281
3400 OTHER ANIMALS	4	0.8	4,233	143,025	*	0
3800 FOOD	1	0.3	12,158	39,969	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.4	6,234	43,512	*	0
4100 FAMILY MEMBERS	2	0.2	14,286	51,324	*	0
4200 FARM AS BUSINESS	2	0.7	0	83,995	*	0
4300 SOC POLIT ORGANIZ	4	1.9	6,234	179,805	*	9,000
4400 AGRIC ECONOMY U S	1	0.3	0	28,154	*	0
4500 AGRIC ECONOMY FORGN	1	0.3	0	34,411	*	0
6300 BIO CELL SYSTEMS	1	0.0	0	11,455	*	11,455
6500 INVERTEBRATES	1	0.7	7,442	111,268	*	30,825
6800 MICROORGANISMS VIRUSES	2	0.2	710	104,570	*	58,198
6700 PLANTS	5	0.8	43,999	269,370	*	37,913
6800 ANIMALS(VERTEBRATES)	1	0.8	43,842	133,302	*	1,052
7000 RSCH EQUIP & TECHNOLOGY	2	0.7	0	90,560	*	0
TOTAL		63.3	1,623,059	11,737,159	*	1,277,519

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	NEW YORK	GENEVA	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0300 WATERSHEDS RIVER BAS	1	0.2	0	37,082	*	34,450
0800 WILDLIFE AND FISH	1	0.0	0	122	*	122
0900 CITRUS SUB TROP FRUT	1	0.1	1,562	21,142	*	0
1000 FRUIT NUTS DECIDUOUS	65	25.1	332,484	5,340,717	*	403,416
1100 POTATOES	1	0.0	0	13,549	*	286
1200 VEGETABLES	45	16.0	259,466	3,364,862	*	311,984
1300 ORNAMENTALS TURF	5	0.8	24,595	186,376	*	17,297
1400 CORN	1	0.5	0	60,609	*	0
1600 RICE	3	0.4	5,625	45,625	*	0
1700 WHEAT	2	0.1	5,625	28,672	*	0
1800 OTHER SMALL GRAINS	2	0.4	5,517	84,235	*	0
2000 FORAGE CROPS	2	0.0	42,081	98,479	*	51,891
2800 MISC NEW CROPS	1	0.0	0	4,507	*	0
2900 POULTRY	1	0.0	0	122	*	122
3800 FOOD	3	1.4	3,908	233,203	*	0
3900 HOUSING & EQUIP	1	0.0	0	16,790	*	14,703
6200 SEED RESEARCH	7	2.2	13,721	332,552	*	0
8300 BIO CELL SYSTEMS	3	1.2	10,865	98,227	*	0
6500 INVERTEBRATES	11	2.2	46,442	419,398	*	92,701
8600 MICROORGANISMS VIRUSES	1	0.2	0	75,312	*	59,370
8700 PLANTS	2	1.3	11,843	538,769	*	36,124
8800 ANIMALS(VERTEBRATES)	1	0.0	0	163	*	163
TOTAL		52.4	763,735	11,000,514	*	1,022,629

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	NEW YORK	ITHACA	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	50	8.2	211,463	2,523,300	*	89,814
0200 WATER	39	5.8	127,633	2,113,681	*	18,572
0300 WATERSHEDS RIVER BAS	2	0.2	4,624	38,952	*	0
0400 AIR AND CLIMATE	6	1.3	28,311	428,059	*	0
0500 RECREATION RESOURCES	2	0.8	12,520	76,448	*	0
0600 TIMBER FORST PRODUCT	35	5.0	198,252	1,469,083	*	179,608
0700 RANGE	2	0.5	19,550	125,937	*	0
0800 WILDLIFE AND FISH	46	9.2	105,658	4,545,909	*	186,586
0900 CITRUS SUB TROP FRUT	1	0.0	0	8,766	*	0
1000 FRUIT NUTS DECIDUOUS	20	4.9	175,124	965,952	*	17,693
1100 POTATOES	29	7.1	178,558	2,446,929	*	556,519
1200 VEGETABLES	56	16.4	363,163	3,773,051	*	133,839
1300 ORNAMENTALS TURF	20	4.5	170,146	1,331,244	*	0
1400 CORN	16	3.3	113,963	1,061,242	*	9,129
1500 GRAIN SORGHUM	2	0.2	3,165	42,514	*	0
1600 RICE	4	0.6	13,589	324,009	*	0
1700 WHEAT	8	1.8	40,968	602,342	*	33,226
1800 OTHER SMALL GRAINS	6	3.8	39,882	396,512	*	1,458
1900 PASTURE	2	0.2	2,611	32,839	*	12,805
2000 FORAGE CROPS	18	2.9	99,732	1,043,009	*	39,708
2300 SOYBEANS	7	1.5	15,158	239,641	*	8,502
2400 PEANUTS	1	0.0	0	7,683	*	7,683
2700 SUGAR CROPS	1	0.0	0	2,989	*	0
2800 MISC NEW CROPS	1	0.4	0	790,048	*	0
2900 POULTRY	31	7.3	232,615	1,774,417	*	61,973
3000 BEEF CATTLE	16	3.8	125,633	677,866	*	22,336
3100 DAIRY CATTLE	51	14.0	296,503	4,278,757	*	256,347
3200 SWINE	7	1.2	24,378	364,785	*	35,249
3300 SHEEP AND WOOL	7	1.6	52,673	480,314	*	47,195
3400 OTHER ANIMALS	8	1.6	13,621	388,807	*	0
3500 BEES AND HONEY	5	0.8	26,755	215,363	*	136
3600 FARM SUPP & FACILITS	9	1.7	11,456	307,463	*	14,376
3700 CLOTHING & TEXTILES	14	2.1	34,715	364,058	*	0
3800 FOOD	20	6.8	88,722	1,289,076	*	13,506
3900 HOUSING & EQUIP	16	3.5	88,588	569,716	*	0
4000 PEOPLE AS INDIVIDUALS	97	35.7	288,800	7,924,157	*	77,486
4100 FAMILY MEMBERS	35	8.3	55,299	1,817,301	*	462,689
4200 FARM AS BUSINESS	8	1.8	52,086	271,960	*	22,916
4300 SOC POLIT ORGANIZ	32	7.3	100,445	1,187,365	*	2,074
4400 AGRIC ECONOMY U S	12	2.0	48,139	313,879	*	15,491
4500 AGRIC ECONOMY FORGN	4	0.6	8,426	95,418	*	4,583
4600 FARM COOPERATIVES	1	0.1	9,740	55,581	*	0
4700 OTH MARKET PROCESS	3	0.4	4,082	126,935	*	0
4800 MARKETING SYSTEMS	4	0.8	16,109	115,209	*	0
6100 WEEDS	1	0.0	0	90,534	*	0
6200 SEED RESEARCH	2	1.0	13,756	161,699	*	0
6300 BIO CELL SYSTEMS	31	9.7	143,336	3,005,225	*	0
6400 EXP DESIGN/STAT METHOO	20	4.4	63,794	714,398	*	4,592
6500 INVERTEBRATES	31	7.4	83,184	1,521,249	*	77,045
6800 MICROORGANISMS VIRUSES	43	8.7	100,986	3,021,194	*	305,092
6700 PLANTS	51	10.3	109,320	2,297,935	*	366,402
6800 ANIMALS(VERTEBRATES)	22	4.3	103,756	1,171,953	*	85,597
6900 RESEARCH ON RSCH MGMT	2	1.1	7,281	94,921	*	0
7000 RSCH EQUIP & TECHNOLOGY	7	1.1	51	868,966	*	9,229
TOTAL		228.5	4,084,280	59,756,439	*	3,179,454

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NORTH CAROLINA RALEIGH

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	40	9.3	212,012	2,088,805	*	67,921
0200 WATER	17	3.6	106,513	917,811	*	54,998
0300 WATERSHEDS RIVER BAS	5	0.8	66,658	279,497	*	0
0400 AIR AND CLIMATE	4	0.5	2,408	141,819	*	21,758
0500 RECREATION RESOURCES	4	1.9	66,436	376,046	*	0
0600 TIMBER FORST PRODUCT	52	37.7	531,160	6,690,773	*	1,161,651
0800 WILDLIFE AND FISH	31	7.0	151,658	2,022,151	*	72,218
1000 FRUIT NUTS DECIDUOUS	43	12.7	371,471	3,826,615	*	7,644
1100 POTATDES	11	1.4	41,301	936,745	*	0
1200 VEGETABLES	45	14.5	272,736	4,568,465	*	93,724
1300 ORNAMENTALS TURF	26	6.7	168,367	1,831,384	*	0
1400 CORN	44	10.7	225,963	3,446,938	*	186,135
1500 GRAIN SORGHUM	1	0.0	0	19,740	*	0
1600 RICE	4	2.1	5,662	1,014,447	*	0
1700 WHEAT	10	1.4	24,691	593,209	*	31,749
1800 OTHER SMALL GRAINS	5	0.8	10,673	455,652	*	10,583
1900 PASTURE	2	0.0	2,495	34,810	*	5,676
2000 FORAGE CROPS	20	2.9	90,957	1,056,111	*	295,661
2100 COTTON	14	2.3	40,732	500,492	*	27,290
2300 SOYBEANS	48	7.2	162,651	1,795,084	*	183,604
2400 PEANUTS	30	5.4	209,008	1,957,515	*	132,131
2500 OTHER OILSEED CROPS	1	0.1	1,992	14,372	*	0
2800 TOBACCO	64	16.1	347,074	5,444,833	*	95,304
2800 MISC NEW CROPS	4	0.4	16,116	108,538	*	0
2900 POULTRY	51	16.7	594,154	4,423,895	*	117,057
3000 BEEF CATTLE	27	5.4	229,544	2,204,295	*	10,287
3100 DAIRY CATTLE	36	7.5	339,761	3,047,276	*	31,802
3200 SWINE	40	8.3	478,365	2,568,881	*	74,061
3300 SHEEP AND WOOL	9	0.5	41,839	274,525	*	0
3400 OTHER ANIMALS	15	2.5	105,254	681,575	*	0
3500 BEES AND HONEY	1	0.3	3,865	74,512	*	0
3600 FARM SUPP & FACILITS	1	0.5	12,399	91,265	*	0
3700 CLOTHING & TEXTILES	4	0.8	19,943	89,400	*	0
3800 FOOD	13	3.7	93,846	773,431	*	10,994
3900 HOUSING & EQUIP	5	1.1	34,482	196,893	*	0
4000 PEOPLE AS INDIVIDUALS	18	3.7	113,630	557,151	*	29,480
4100 FAMILY MEMBERS	5	1.3	54,574	137,008	*	0
4200 FARM AS BUSINESS	8	1.6	42,033	231,507	*	0
4300 SOC POLIT ORGANIZ	6	2.0	82,328	311,819	*	1,664
4400 AGRIC ECONOMY U S	6	1.4	75,888	209,080	*	3,472
4600 FARM COOPERATIVES	1	0.1	2,793	10,820	*	0
4700 DTH MARKET PROCESS	1	0.1	0	18,889	*	0
6100 WEEDS	7	1.3	29,827	266,835	*	41
6200 SEED RESEARCH	2	1.0	15,168	152,309	*	0
6300 BIO CELL SYSTEMS	23	7.7	130,831	2,150,863	*	96,251
6400 EXP DESIGN/STAT METHOD	7	2.2	27,522	479,441	*	17,907
6500 INVERTEBRATES	24	8.9	167,344	1,446,387	*	67,209
6600 MICROORGANISMS VIRUSES	25	4.7	68,513	1,191,042	*	98,125
6700 PLANTS	42	7.0	75,363	2,919,828	*	271,910
6800 ANIMALS(VERTEBRATES)	18	4.3	131,392	1,448,962	*	7,614
6900 RESEARCH ON RSCH MGMT	1	0.2	608	10,637	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.2	26,031	210,785	*	0
TOTAL		242.0	6,126,031	66,301,166	*	3,285,925

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	NORTH DAKOTA		FARGO		SAES	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	28	11.7	159,858	1,768,395	*			154,849	
0200 WATER	12	5.0	53,882	620,705	*			393	
0300 WATERSHEDS RIVER BAS	1	0.4	12,145	54,883	*			0	
0400 AIR AND CLIMATE	3	0.9	16,926	120,404	*			0	
0500 RECREATION RESOURCES	2	0.7	0	169,000	*			44,897	
0600 TIMBER FORST PRODUCT	5	1.4	72,428	402,013	*			120,851	
0700 RANGE	9	5.6	117,871	920,768	*			1,573	
1000 FRUIT NUTS DECIDUOUS	2	0.0	551	4,978	*			0	
1100 POTATOES	15	6.0	138,653	1,107,033	*			311,942	
1200 VEGETABLES	22	3.5	55,082	715,979	*			74,468	
1300 ORNAMENTALS TURF	4	0.4	7,446	39,154	*			0	
1400 CORN	15	2.0	32,241	340,380	*			0	
1700 WHEAT	44	15.7	295,565	3,003,385	*			82,332	
1800 OTHER SMALL GRAINS	33	9.5	129,616	1,630,749	*			6,939	
1900 PASTURE	2	0.2	2,149	40,159	*			34,410	
2000 FORAGE CROPS	12	3.7	57,728	519,079	*			28,218	
2100 COTTON	1	0.2	0	78,381	*			0	
2300 SOYBEANS	8	2.1	24,703	383,476	*			0	
2500 OTHER OILSEED CROPS	30	9.9	433,868	1,804,611	*			472,227	
2700 SUGAR CROPS	8	1.7	36,854	222,340	*			0	
2800 MISC NEW CROPS	4	0.3	0	84,163	*			0	
3000 BEEF CATTLE	24	11.2	211,765	1,753,626	*			0	
3100 DAIRY CATTLE	7	4.7	124,531	740,648	*			0	
3200 SWINE	13	4.9	138,552	841,857	*			0	
3300 SHEEP AND WOOL	10	3.3	22,811	632,277	*			49,658	
3400 OTHER ANIMALS	1	0.0	0	15,909	*			0	
3600 FARM SUPP & FACILITS	1	0.1	0	107,429	*			107,429	
3800 FOOD	1	0.5	9,948	81,785	*			0	
3900 HOUSING & EQUIP	1	0.1	0	14,099	*			0	
4000 PEOPLE AS INDIVIDUALS	3	0.7	8,353	50,799	*			0	
4100 FAMILY MEMBERS	2	0.4	8,133	33,771	*			0	
4200 FARM AS BUSINESS	3	2.4	55,651	221,911	*			0	
4300 SOC POLIT ORGANIZ	7	2.0	24,541	466,261	*			182,022	
4400 AGRIC ECONOMY U S	2	0.8	18,998	175,452	*			0	
4500 AGRIC ECONOMY FORGN	1	0.1	0	14,986	*			0	
4600 FARM COOPERATIVES	1	0.6	12,808	83,784	*			29,847	
4700 OTH MARKET PROCESS	1	0.1	0	18,994	*			9,226	
4800 MARKETING SYSTEMS	2	0.4	313	58,310	*			0	
6100 WEEDS	5	1.8	50,298	369,076	*			39,250	
6300 BIO CELL SYSTEMS	5	1.2	34,469	221,838	*			171	
6500 INVERTEBRATES	5	0.9	4,170	115,174	*			45,984	
6600 MICROORGANISMS VIRUSES	9	2.3	42,633	287,516	*			0	
6700 PLANTS	7	0.9	0	172,247	*			42,597	
6800 ANIMALS (VERTEBRATES)	5	5.0	34,441	916,088	*			0	
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	4,218	*			0	
TOTAL		125.2	2,449,981	21,428,071	*			1,839,283	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	OHIO	WOOSTER	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	40	10.0	310,351	1,974,387	*	18,375
0200 WATER	19	2.3	51,788	486,449	*	6,711
0300 WATERSHEDS RIVER BAS	6	1.3	23,629	153,651	*	48,894
0400 AIR AND CLIMATE	2	0.1	15,058	120,151	*	0
0500 RECREATION RESOURCES	6	1.0	21,010	139,885	*	852
0600 TIMBER FORST PRODUCT	32	10.5	469,542	1,649,550	*	114,211
0700 RANGE	1	0.1	2,248	18,865	*	0
0800 WILDLIFE AND FISH	5	0.5	14,252	260,908	*	0
0900 CITRUS SUB TROP FRUIT	1	0.0	0	155	*	0
1000 FRUIT NUTS DECIDUOUS	35	11.1	354,173	2,499,901	*	109,340
1100 POTATOES	11	1.5	53,974	383,090	*	94,937
1200 VEGETABLES	35	9.1	410,704	1,628,007	*	10,098
1300 ORNAMENTALS TURF	22	8.8	303,178	1,382,656	*	16,898
1400 CORN	33	9.2	372,327	2,036,985	*	43,549
1700 WHEAT	10	1.5	84,067	434,592	*	13,743
1800 OTHER SMALL GRAINS	5	0.8	35,388	371,593	*	0
1900 PASTURE	1	0.0	0	2,141	*	0
2000 FORAGE CROPS	15	2.0	69,351	752,515	*	38
2100 COTTON	1	0.4	7,849	253,288	*	0
2300 SOYBEANS	33	9.1	352,535	3,269,677	*	32,724
2500 OTHER OILSEED CROPS	4	0.7	7,548	166,257	*	22,513
2600 TOBACCO	3	1.0	8,616	213,899	*	0
2700 SUGAR CROPS	2	0.8	32,850	97,901	*	0
2900 POULTRY	31	8.4	259,925	2,653,629	*	207,664
3000 BEEF CATTLE	22	5.1	286,222	1,402,567	*	47,167
3100 DAIRY CATTLE	42	10.1	555,412	3,222,188	*	185,235
3200 SWINE	29	6.8	276,505	2,187,641	*	213,869
3300 SHEEP AND WOOL	10	3.9	230,697	1,040,322	*	0
3400 OTHER ANIMALS	6	0.5	1,283	210,630	*	0
3600 FARM SUPP & FACILITS	4	0.6	14,258	229,904	*	54,581
3700 CLOTHING & TEXTILES	1	0.4	15,758	36,594	*	0
3800 FOOD	13	5.2	170,655	996,934	*	181,741
3900 HOUSING & EQUIP	3	1.4	47,805	239,824	*	0
4000 PEOPLE AS INDIVIDUALS	17	1.9	15,589	297,852	*	0
4100 FAMILY MEMBERS	12	5.1	117,152	575,121	*	430
4200 FARM AS BUSINESS	5	1.8	30,333	216,625	*	287
4300 SOC POLIT ORGANIZ	13	1.3	8,321	254,394	*	5,225
4400 AGRIC ECONOMY U S	6	1.2	28,548	130,303	*	1,807
4500 AGRIC ECONOMY FORGN	1	0.2	3,006	23,974	*	0
6100 WEEDS	3	0.2	2,914	56,208	*	33,688
6300 BIO CELL SYSTEMS	3	0.3	7,056	38,911	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	0	43,754	*	0
6500 INVERTEBRATES	3	1.6	37,001	307,118	*	102,273
6600 MICROORGANISMS VIRUSES	7	1.4	50,410	264,747	*	24,601
6700 PLANTS	29	3.4	122,933	1,027,731	*	261,907
6800 ANIMALS(VERTEBRATES)	10	1.5	19,017	196,996	*	9,097
7000 RSCH EQUIP & TECHNOLOGY	5	0.6	19,007	84,767	*	0
TOTAL		142.9	5,320,242	34,035,233	*	1,862,452

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	OKLAHOMA	STILLWATER	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	13	5.4	23,143	943,871	*	23,664
0200 WATER	9	4.5	57,385	726,321	*	21,319
0300 WATERSHEDS RIVER BAS	2	0.2	0	26,518	*	146
0500 RECREATION RESOURCES	2	1.1	0	120,481	*	0
0600 TIMBER FORST PRODUCT	10	5.6	278,535	1,080,670	*	35,423
0700 RANGE	7	2.7	90,109	596,361	*	128
0800 WILDLIFE AND FISH	1	0.0	0	9,742	*	0
1000 FRUIT NUTS DECIDUOUS	12	3.4	37,808	855,414	*	107,832
1100 POTATOES	2	0.3	0	29,651	*	18,410
1200 VEGETABLES	23	8.5	46,978	1,274,319	*	305,963
1300 ORNAMENTALS TURF	3	0.0	0	118,873	*	0
1500 GRAIN SORGHUM	7	1.8	37,155	360,115	*	7,439
1700 WHEAT	25	12.4	260,857	2,314,760	*	65,698
1800 OTHER SMALL GRAINS	3	0.1	0	111,036	*	2,816
1900 PASTURE	2	0.6	0	147,757	*	128
2000 FORAGE CROPS	11	5.3	147,266	1,132,352	*	17,763
2100 COTTON	12	5.5	318,795	933,562	*	0
2300 SOYBEANS	4	2.0	0	298,904	*	0
2400 PEANUTS	6	1.0	30,143	264,449	*	14,686
2800 MISC NEW CROPS	1	0.3	0	36,697	*	0
2900 POULTRY	2	1.0	79,905	294,104	*	3,378
3000 BEEF CATTLE	36	15.9	466,480	4,011,777	*	372,904
3100 DAIRY CATTLE	17	3.1	156,174	944,493	*	5,191
3200 SWINE	6	2.9	425,239	615,868	*	46,446
3300 SHEEP AND WOOL	3	2.7	0	572,339	*	58,660
3400 OTHER ANIMALS	5	3.6	40,105	737,905	*	59,122
3600 FARM SUPP & FACILITS	4	2.6	0	459,513	*	0
3700 CLOTHING & TEXTILES	1	0.1	379	15,342	*	0
3800 FOOD	2	1.4	21,862	247,760	*	13,414
3900 HOUSING & EQUIP	2	0.1	7,599	55,172	*	0
4000 PEOPLE AS INDIVIDUALS	5	1.6	65,748	196,182	*	0
4100 FAMILY MEMBERS	2	0.5	2,184	65,379	*	0
4200 FARM AS BUSINESS	11	5.4	20,035	737,770	*	76,665
4300 SOC POLIT ORGANIZ	2	0.7	0	122,717	*	6,353
4400 AGRIC ECONOMY U S	5	2.1	13,719	259,922	*	53,392
6100 WEEDS	2	1.6	32,520	332,038	*	0
6300 BIO CELL SYSTEMS	2	0.8	74,073	176,208	*	0
6500 INVERTEBRATES	4	1.4	30,743	389,304	*	11,348
6600 MICROORGANISMS VIRUSES	8	3.5	84,456	806,397	*	87,518
6700 PLANTS	9	5.8	68,079	1,190,651	*	38,977
6800 ANIMALS(VERTEBRATES)	2	1.3	47,082	341,638	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	1.1	0	305,737	*	111,571
TOTAL		120.3	2,964,354	24,060,069	*	1,566,353



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

OREGON

CORVALLIS

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	24	8.7	113,438	1,395,256	*	74,001
0200 WATER	16	5.4	94,985	1,097,386	*	75,574
0300 WATERSHEDS RIVER BAS	8	1.5	17,722	284,530	*	19,484
0500 RECREATION RESOURCES	2	0.3	7,133	33,601	*	0
0600 TIMBER FORST PRODUCT	19	4.0	62,839	553,002	*	50,404
0700 RANGE	20	4.0	24,843	587,328	*	71,070
0800 WILDLIFE AND FISH	31	18.2	82,030	3,768,373	*	441,534
1000 FRUIT NUTS DECIDUOUS	50	23.7	353,995	3,543,385	*	198,845
1100 POTATOES	23	7.1	55,143	1,478,407	*	261,474
1200 VEGETABLES	39	14.1	198,098	2,364,899	*	35,641
1300 ORNAMENTALS TURF	13	5.0	34,073	719,899	*	61,812
1400 CORN	4	0.3	813	60,035	*	0
1700 WHEAT	29	11.1	70,281	1,908,458	*	198,887
1800 OTHER SMALL GRAINS	17	2.6	21,793	550,227	*	82,851
1900 PASTURE	7	0.8	8,955	106,669	*	4,643
2000 FORAGE CROPS	20	3.1	32,286	471,560	*	14,729
2500 OTHER OILSEED CROPS	4	4.0	0	651,125	*	317,928
2600 TOBACCO	1	0.0	2,952	28,948	*	0
2700 SUGAR CROPS	2	0.3	4,724	47,934	*	0
2800 MISC NEW CROPS	18	3.5	35,940	631,163	*	17,804
2900 POULTRY	11	4.0	139,994	804,170	*	10,925
3000 BEEF CATTLE	26	9.6	222,883	2,067,006	*	27,278
3100 DAIRY CATTLE	16	3.7	82,153	1,218,234	*	19,460
3200 SWINE	8	1.4	22,625	382,158	*	48,869
3300 SHEEP AND WOOL	13	2.5	135,637	707,997	*	18,252
3400 OTHER ANIMALS	12	2.3	32,079	371,973	*	2,322
3500 BEES AND HONEY	3	0.6	3,210	69,127	*	22,737
3600 FARM SUPP & FACILITS	1	0.0	604	830	*	0
3700 CLOTHING & TEXTILES	1	0.0	4,525	6,650	*	0
3800 FOOD	7	8.0	156,536	982,503	*	30,949
3900 HOUSING & EQUIP	2	0.8	78,736	146,515	*	27,029
4000 PEOPLE AS INDIVIDUALS	12	4.9	69,893	635,076	*	38,620
4100 FAMILY MEMBERS	7	1.0	38,345	145,042	*	18,310
4200 FARM AS BUSINESS	5	0.1	5,695	23,049	*	370
4300 SOC POLIT ORGANIZ	7	2.4	39,821	347,585	*	38,620
4400 AGRIC ECONOMY U S	2	0.8	12,609	99,436	*	0
4500 AGRIC ECONOMY FORGN	2	0.2	12,788	24,547	*	0
6100 WEEQS	2	0.3	3,198	30,670	*	0
6200 SEEO RESEARCH	7	2.5	13,017	1,129,977	*	0
6300 BIO CELL SYSTEMS	4	1.5	0	333,393	*	0
6400 EXP DESIGN/STAT METHOD	3	1.4	0	258,572	*	0
6500 INVERTEBRATES	12	4.2	32,561	488,552	*	133,753
6600 MICROORGANISMS VIRUSES	9	1.3	1,307	286,707	*	240,502
6700 PLANTS	19	3.6	88,625	1,030,253	*	121,503
6800 ANIMALS(VERTEBRATES)	5	3.0	17,692	713,228	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	2.4	4,084	278,237	*	0
TOTAL		174.2	2,440,437	32,861,669	*	2,720,179

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

PENNSYLVANIA

COLLEGE PARK

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	22	7.2	305,555	1,824,602	*	8,759
0200 WATER	20	4.1	139,853	818,281	*	57,184
0300 WATERSHEDS RIVER BAS	1	0.1	10,793	23,269	*	0
0400 AIR AND CLIMATE	1	2.5	9,105	361,047	*	0
0600 TIMBER FORST PRODUCT	31	14.3	438,275	2,946,208	*	438,733
0800 WILDLIFE AND FISH	9	2.4	24,271	955,778	*	41,398
1000 FRUIT NUTS DECIDUOUS	19	11.7	349,429	2,551,375	*	72,515
1100 POTATOES	11	2.0	65,292	481,154	*	38,544
1200 VEGETABLES	15	5.0	209,202	1,652,121	*	0
1300 ORNAMENTALS TURF	20	7.8	369,000	2,164,202	*	0
1400 CORN	18	8.6	324,736	1,444,350	*	14,283
1700 WHEAT	6	3.2	98,930	464,393	*	1,060
1800 OTHER SMALL GRAINS	7	1.2	46,829	301,428	*	4,241
1900 PASTURE	1	0.1	1,464	4,578	*	0
2000 FORAGE CROPS	13	4.2	167,811	935,785	*	64,517
2300 SOYBEANS	4	0.1	8,856	33,995	*	0
2500 OTHER OILSEED CROPS	1	0.6	19,200	55,144	*	0
2600 TOBACCO	1	0.3	10,349	39,504	*	0
2800 MISC NEW CROPS	1	0.0	351	5,909	*	0
2900 POULTRY	27	11.5	459,492	3,382,002	*	38,224
3000 BEEF CATTLE	8	0.8	53,694	400,586	*	0
3100 DAIRY CATTLE	33	9.8	610,261	3,631,917	*	348,967
3200 SWINE	13	5.1	259,196	1,640,034	*	76,035
3300 SHEEP AND WOOL	6	1.9	94,433	807,842	*	38,137
3400 OTHER ANIMALS	3	0.3	13,349	77,485	*	0
3500 BEES AND HONEY	1	0.0	1,906	55,761	*	0
3600 FARM SUPP & FACILITS	2	1.3	38,560	151,536	*	0
3800 FOOD	18	7.9	402,228	1,433,220	*	0
3900 HOUSING & EQUIP	8	2.6	67,723	515,501	*	0
4000 PEOPLE AS INDIVIDUALS	15	4.5	85,311	864,498	*	88,591
4100 FAMILY MEMBERS	5	1.4	28,766	173,172	*	0
4200 FARM AS BUSINESS	1	1.9	48,264	280,203	*	14,132
4300 SOC POLIT ORGANIZ	16	7.0	225,150	1,126,895	*	116,141
4500 AGRIC ECONOMY FORGN	1	5.4	0	1,784,470	*	0
4800 FARM COOPERATIVES	1	0.5	10,962	120,286	*	7,886
6300 BIO CELL SYSTEMS	4	0.9	33,088	85,913	*	0
6500 INVERTEBRATES	10	1.9	38,370	639,931	*	139,693
6600 MICROORGANISMS VIRUSES	8	1.3	187,809	227,038	*	8,757
6700 PLANTS	19	5.5	192,518	1,187,281	*	174,419
6800 ANIMALS(VERTEBRATES)	10	2.6	111,647	889,720	*	251,784
7000 RSCH EQUIP & TECHNOLOGY	3	2.1	32,891	285,941	*	20,393
TOTAL		151.5	5,592,919	38,784,157	*	2,060,394

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	PUERTO RICO	RIO PIEORAS	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	9	1.4	136,401	453,906	*	40,476
0200 WATER	1	0.1	4,459	11,375	*	0
0600 TIMBER FORST PRODUCT	2	0.5	51,787	103,573	*	0
0900 CITRUS SUB TROP FRUT	25	12.5	527,140	2,082,737	*	185,639
1000 FRUIT NUTS DECIDUOUS	2	0.4	38,438	135,998	*	0
1100 POTATOES	1	0.0	0	5,883	*	0
1200 VEGETABLES	28	12.6	610,995	2,439,348	*	176,092
1300 ORNAMENTALS TURF	4	1.1	58,605	166,583	*	0
1400 CORN	1	0.0	0	12,156	*	0
1800 RICE	4	0.9	39,610	142,532	*	0
1900 PASTURE	6	3.2	285,860	708,945	*	7,113
2000 FORAGE CROPS	4	2.6	301,725	765,661	*	0
2300 SOYBEANS	1	0.0	0	12,156	*	0
2700 SUGAR CROPS	12	9.2	747,808	2,067,560	*	0
2800 MISC NEW CROPS	10	4.0	348,572	965,568	*	1,428
2900 POULTRY	2	0.7	40,509	120,955	*	0
3000 BEEF CATTLE	3	1.0	5,345	171,383	*	44,148
3100 DAIRY CATTLE	2	2.0	231,272	504,331	*	0
3800 FOOD	2	1.8	111,853	323,817	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.9	34,792	88,812	*	0
4100 FAMILY MEMBERS	1	0.1	9,108	23,260	*	0
4200 FARM AS BUSINESS	3	2.5	69,447	257,868	*	8,623
4300 SOC POLIT ORGANIZ	1	0.2	12,144	31,014	*	0
6500 INVERTEBRATES	1	0.3	0	36,615	*	0
TOTAL		58.3	3,665,872	11,632,035	*	463,519

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	RHOOE ISLANDO	KINGSTON	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	3	0.6	18,825	106,794	*	0
0200 WATER	6	3.0	95,731	376,808	*	0
0300 WATERSHEOS RIVER BAS	1	0.6	9,717	53,095	*	0
0400 AIR AND CLIMATE	1	0.0	0	8,692	*	0
0600 TIMBER FORST PRODUCT	3	1.6	68,561	213,485	*	0
0800 WILDLIFE AND FISH	11	4.7	189,732	573,279	*	0
0900 CITRUS SUB TROP FRUT	1	0.0	5,022	8,398	*	0
1100 POTATOES	2	0.6	52,459	188,455	*	0
1200 VEGETABLES	2	0.4	69,539	116,350	*	0
1300 ORNAMENTALS TURF	6	3.2	166,146	665,389	*	0
2300 SOYBEANS	1	0.8	27,095	80,813	*	0
2500 OTHER OILSEED CROPS	1	0.3	26,825	62,640	*	0
2900 POULTRY	3	1.0	56,563	145,379	*	0
3100 DAIRY CATTLE	1	0.3	26,449	31,851	*	0
3300 SHEEP AND WOOL	1	0.1	6,328	22,101	*	0
3400 OTHER ANIMALS	1	0.3	7,341	43,993	*	0
3600 FARM SUPP & FACILITS	1	0.2	7,104	28,490	*	0
3800 FOOD	1	0.8	35,157	48,146	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.4	43,899	160,497	*	0
4300 SOC POLIT ORGANIZ	4	1.7	78,196	207,627	*	0
4800 MARKETING SYSTEMS	1	0.3	13,407	37,184	*	0
6600 MICROORGANISMS VIRUSES	1	0.6	31,388	70,273	*	0
6700 PLANTS	1	0.3	32,843	70,403	*	0
6800 ANIMALS(VERTEBRATES)	1	0.8	50,586	135,722	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	11,522	29,201	*	0
TOTAL		23.8	1,128,433	3,484,866	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE 11-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				SOUTH CAROLINA CLEMSON		SAES
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	12	2.5	158,538	417,624	*	0
0200 WATER	6	1.0	51,123	191,850	*	0
0300 WATERSHEDS RIVER BAS	3	0.3	9,803	38,469	*	0
0600 TIMBER FORST PRODUCT	1	0.0	0	18,444	*	0
0800 WILDLIFE AND FISH	15	5.2	72,947	931,024	*	42,447
1000 FRUIT NUTS DECIDUOUS	26	8.8	344,070	1,990,859	*	211,305
1200 VEGETABLES	31	8.9	180,700	2,099,140	*	173,694
1300 ORNAMENTALS TURF	24	4.6	255,561	1,205,156	*	0
1400 CORN	20	2.9	61,048	488,546	*	0
1500 GRAIN SORGHUM	3	0.1	0	32,914	*	0
1700 WHEAT	14	2.6	65,455	407,741	*	0
1800 OTHER SMALL GRAINS	7	0.7	13,858	131,101	*	0
1900 PASTURE	2	0.2	8,607	37,409	*	0
2000 FORAGE CROPS	16	3.4	131,831	735,347	*	0
2100 COTTON	17	3.7	41,285	674,541	*	7,961
2300 SOYBEANS	34	8.4	251,653	1,673,294	*	32,362
2400 PEANUTS	2	0.1	0	18,043	*	0
2600 TOBACCO	10	3.8	13,536	778,975	*	0
2900 POULTRY	20	3.6	213,448	1,184,224	*	33,523
3000 BEEF CATTLE	20	6.3	281,613	1,857,820	*	0
3100 DAIRY CATTLE	20	4.8	322,743	2,369,381	*	0
3200 SWINE	10	1.3	54,759	450,465	*	0
3300 SHEEP AND WOOL	1	0.3	7,879	44,159	*	0
3400 OTHER ANIMALS	6	0.2	12,822	135,517	*	0
3600 FARM SUPP & FACILITS	1	0.1	4,129	17,162	*	0
3700 CLOTHING & TEXTILES	1	0.0	0	34,405	*	0
3800 FOOD	6	2.8	15,920	745,779	*	96,994
3900 HOUSING & EQUIP	2	0.2	1,824	34,112	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.3	19,892	121,075	*	0
4100 FAMILY MEMBERS	1	0.2	23,867	42,721	*	0
4200 FARM AS BUSINESS	3	0.2	15,850	85,912	*	43,424
4300 SOC POLIT ORGANIZ	5	1.8	113,161	227,952	*	0
4400 AGRIC ECONOMY U S	5	2.6	26,786	597,702	*	96,994
4700 OTH MARKET PROCESS	1	0.1	12,387	20,433	*	0
4800 MARKETING SYSTEMS	1	0.1	0	77,595	*	0
6100 WEEDS	3	0.5	14,861	86,643	*	0
6300 BIO CELL SYSTEMS	2	0.5	15,419	131,888	*	0
6400 EXP DESIGN/STAT METHOD	1	2.0	0	292,175	*	0
6500 INVERTEBRATES	14	3.8	20,028	563,092	*	11,136
6600 MICROORGANISMS VIRUSES	8	1.6	43,603	437,018	*	0
6700 PLANTS	8	16.8	7,200	4,265,555	*	678,959
6800 ANIMALS(VERTEBRATES)	6	3.1	14,835	1,015,908	*	96,994
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	1,376	5,721	*	0
TOTAL		110.6	2,904,421	26,714,893	*	1,525,794

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --					SOUTH DAKOTA	BROOKINGS	SAES
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
0100 SOIL AND LAND	17	3.6	90,752	428,080	*	0	
0200 WATER	11	3.2	38,763	292,740	*	0	
0300 WATERSHEDS RIVER BAS	1	0.3	3,660	20,211	*	0	
0400 AIR AND CLIMATE	1	0.7	9,826	25,701	*	0	
0500 RECREATION RESOURCES	1	0.1	5,803	8,763	*	0	
0600 TIMBER FORST PRODUCT	5	2.2	77,972	211,451	*	0	
0700 RANGE	10	3.2	74,142	329,775	*	12,975	
0800 WILDLIFE AND FISH	6	1.7	56,742	220,621	*	0	
1000 FRUIT NUTS DECIDUOUS	1	0.0	757	2,042	*	0	
1100 POTATOES	1	0.1	5,995	14,689	*	0	
1200 VEGETABLES	2	0.7	16,226	105,630	*	0	
1300 ORNAMENTALS TURF	4	0.4	44,080	120,250	*	0	
1400 CORN	23	6.6	149,561	756,344	*	5,061	
1500 GRAIN SORGHUM	4	0.3	5,872	39,669	*	0	
1700 WHEAT	18	5.9	144,431	606,043	*	1,980	
1800 OTHER SMALL GRAINS	13	2.8	64,737	669,408	*	0	
1900 PASTURE	1	0.1	2,266	6,832	*	0	
2000 FORAGE CROPS	14	3.4	82,158	432,806	*	1,980	
2300 SOYBEANS	18	1.5	56,219	273,794	*	5,061	
2500 OTHER OILSEED CROPS	7	0.8	34,812	154,330	*	48,517	
2800 MISC NEW CROPS	3	0.4	12,406	77,697	*	0	
2900 POULTRY	3	1.2	41,432	119,181	*	0	
3000 BEEF CATTLE	26	6.8	331,974	2,339,595	*	54,050	
3100 DAIRY CATTLE	15	4.0	247,514	532,188	*	0	
3200 SWINE	16	5.4	313,315	914,975	*	57,361	
3300 SHEEP AND WOOL	6	1.4	84,229	297,946	*	0	
3400 OTHER ANIMALS	3	1.7	58,452	195,082	*	0	
3600 FARM SUPP & FACILITS	1	0.2	6,907	23,203	*	0	
3700 CLOTHING & TEXTILES	1	0.0	9,236	9,236	*	0	
3800 FOOD	1	0.6	23,594	56,384	*	0	
3900 HOUSING & EQUIP	2	0.7	20,904	38,703	*	0	
4000 PEOPLE AS INDIVIDUALS	2	0.6	23,428	164,530	*	0	
4100 FAMILY MEMBERS	1	0.0	738	2,993	*	0	
4200 FARM AS BUSINESS	1	0.3	16,982	37,809	*	0	
4300 SOC POLIT ORGANIZ	3	0.7	26,312	71,952	*	0	
4400 AGRIC ECONOMY U S	1	0.1	2,943	9,498	*	0	
6100 WEEDS	1	0.1	4,547	13,840	*	0	
6500 INVERTEBRATES	1	0.1	0	23,693	*	23,693	
6600 MICROORGANISMS VIRUSES	3	0.4	35,752	89,879	*	0	
6700 PLANTS	10	4.0	18,280	789,477	*	34,484	
6800 ANIMALS(VERTEBRATES)	2	7.0	0	1,177,074	*	2,698	
TOTAL		73.1	2,243,719	11,704,112	*	247,861	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTR (GROSS) 1990	TENNESSEE	KNOXVILLE	SAES
				TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	16	6.3	242,912	1,028,827	*	3,554
0200 WATER	9	2.1	113,257	334,874	*	2,849
0400 AIR AND CLIMATE	1	0.9	17,948	99,899	*	0
0500 RECREATION RESOURCES	2	0.7	12,940	63,555	*	459
0600 TIMBER FORST PRODUCT	15	6.4	306,543	1,255,834	*	36,942
0700 RANGE	1	0.7	20,345	60,605	*	0
0800 WILDLIFE AND FISH	5	3.1	120,056	526,992	*	7,867
1000 FRUIT NUTS DECIDUOUS	11	4.8	167,469	630,067	*	0
1100 POTATOES	1	0.0	0	1,698	*	0
1200 VEGETABLES	18	7.3	260,662	1,334,130	*	25,317
1300 ORNAMENTALS TURF	15	6.5	359,801	1,225,564	*	0
1400 CORN	14	3.0	104,463	629,935	*	445
1500 GRAIN SORGHUM	6	1.0	39,755	185,652	*	0
1700 WHEAT	11	2.6	70,228	443,888	*	0
1800 OTHER SMALL GRAINS	3	0.6	18,535	141,800	*	0
1900 PASTURE	5	1.9	76,042	360,406	*	0
2000 FORAGE CROPS	14	5.4	284,386	1,443,422	*	0
2100 COTTON	13	3.8	86,129	698,508	*	8,443
2300 SOYBEANS	22	7.5	307,115	1,499,578	*	1,039
2500 OTHER OILSEED CROPS	1	0.5	21,884	57,801	*	0
2600 TOBACCO	13	4.6	110,752	938,209	*	10,148
2800 MISC NEW CROPS	2	0.2	26,692	47,183	*	0
2900 POULTRY	2	2.6	98,119	320,847	*	11,424
3000 BEEF CATTLE	25	6.8	253,104	2,772,092	*	271,561
3100 DAIRY CATTLE	27	13.2	508,548	3,997,067	*	50,336
3200 SWINE	13	4.3	162,933	977,842	*	2,586
3300 SHEEP AND WOOL	3	0.8	19,077	170,741	*	0
3400 OTHER ANIMALS	3	0.5	6,085	84,424	*	0
3700 CLOTHING & TEXTILES	1	1.0	15,054	144,972	*	0
3800 FOOD	9	3.7	174,085	489,314	*	0
3900 HOUSING & EQUIP	3	2.2	99,253	229,564	*	0
4000 PEOPLE AS INDIVIDUALS	4	1.2	64,709	179,543	*	0
4200 FARM AS BUSINESS	4	2.2	73,007	148,762	*	0
4300 SOC POLIT ORGANIZ	4	2.7	107,824	257,894	*	0
4700 OTH MARKET PROCESS	1	0.8	16,355	104,439	*	0
6100 WEEDS	1	0.0	0	12,958	*	4,573
6600 MICROORGANISMS VIRUSES	2	0.2	7,439	40,490	*	0
6700 PLANTS	6	2.0	63,571	421,908	*	9,286
6800 ANIMALS(VERTEBRATES)	4	0.7	17,910	142,151	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.6	35,762	91,296	*	0
TOTAL		116.0	4,492,738	23,792,532	*	446,937

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TEXAS

COLLEGE STATION

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CDN/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	38	13.2	191,405	3,440,486	*	331,898
0200 WATER	42	11.7	278,853	2,929,292	*	237,236
0300 WATERSHEDS RIVER BAS	6	1.6	8,476	339,144	*	61,085
0400 AIR AND CLIMATE	2	0.8	1,896	142,394	*	26,313
0500 RECREATION RESOURCES	12	2.8	14,713	396,158	*	44,759
0600 TIMBER FORST PRODUCT	25	5.7	219,879	3,846,896	*	1,007,754
0700 RANGE	37	12.8	409,880	3,844,550	*	467,672
0800 WILDLIFE AND FISH	36	9.0	128,697	3,493,444	*	405,944
0900 CITRUS SUB TROP FRUIT	11	1.7	41,166	619,878	*	1,133
1000 FRUIT NUTS DECIDUOUS	22	6.9	234,563	1,513,917	*	5,598
1100 POTATDES	3	1.7	15,676	530,987	*	0
1200 VEGETABLES	34	12.2	256,228	3,032,500	*	31,759
1300 ORNAMENTALS TURF	22	13.8	259,643	2,690,837	*	59,250
1400 CORN	44	6.8	75,142	1,970,851	*	127,366
1500 GRAIN SORGHUM	63	16.2	140,611	3,992,047	*	215,749
1600 RICE	15	5.0	100,189	1,670,129	*	52,221
1700 WHEAT	44	9.6	207,665	2,120,676	*	129,931
1800 OTHER SMALL GRAINS	9	2.3	45,620	484,357	*	15,813
1900 PASTURE	9	3.6	53,258	643,022	*	3,067
2000 FORAGE CROPS	26	9.9	250,633	1,957,331	*	11,897
2100 COTTON	71	24.7	354,909	6,287,993	*	398,993
2200 COTTONSEED	4	0.4	139	93,676	*	0
2300 SOYBEANS	20	5.0	169,976	933,422	*	10,093
2400 PEANUTS	18	7.0	31,196	1,698,623	*	93,614
2500 OTHER OILSEED CROPS	5	0.6	5,286	169,217	*	0
2700 SUGAR CROPS	13	3.6	76,519	979,550	*	18,840
2800 MISC NEW CROPS	8	2.8	14,001	673,837	*	182,639
2900 POULTRY	21	7.1	113,324	2,441,129	*	11,980
3000 BEEF CATTLE	85	23.6	798,752	10,686,806	*	650,863
3100 DAIRY CATTLE	40	7.3	133,412	2,124,158	*	186,116
3200 SWINE	12	1.7	9,953	499,234	*	98,078
3300 SHEEP AND WDDL	29	4.9	82,450	1,530,800	*	86,894
3400 OTHER ANIMALS	31	6.2	113,874	2,886,909	*	263,031
3500 BEES AND HONEY	1	0.8	290	351,114	*	26,361
3600 FARM SUPP & FACILITS	1	0.3	9,694	50,939	*	1,901
3800 FOOD	6	1.9	32,367	351,985	*	57,863
3900 HOUSING & EQUIP	2	0.2	9,276	292,864	*	17,858
4000 PEOPLE AS INDIVIDUALS	11	3.5	38,804	648,742	*	54,289
4100 FAMILY MEMBERS	1	0.2	0	19,630	*	0
4200 FARM AS BUSINESS	6	5.1	113,187	793,404	*	57,479
4300 SDC POLIT ORGANIZ	6	3.3	20,619	699,633	*	745
4400 AGRIC ECONDMY U S	8	7.3	48,319	1,523,079	*	330,918
6100 WEEDS	1	0.1	112	16,469	*	2,989
6300 BID CELL SYSTEMS	12	13.9	37,837	2,786,533	*	111,256
6400 EXP DESIGN/STAT METHOD	3	0.5	6,313	130,834	*	1,242
6500 INVERTEBRATES	6	1.8	11,450	633,930	*	28,732
6600 MICROORGANISMS VIRUSES	5	2.0	32,525	476,654	*	130,661
6700 PLANTS	6	1.9	47,702	489,367	*	182,344
6800 ANIMALS(VERTEBRATES)	6	2.1	9,121	480,291	*	3,151
7000 RSCH EQUIP & TECHNOLOGY	2	0.6	12	68,035	*	0
TOTAL		288.0	5,255,613	80,477,752	*	6,239,377

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

UTAH

LOGAN

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CDN/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	15	3.5	143,986	625,188	*	17,949
0200 WATER	12	2.2	59,319	329,866	*	5,322
0300 WATERSHEDS RIVER BAS	4	0.4	3,890	38,797	*	16,259
0400 AIR AND CLIMATE	2	0.9	5,150	227,689	*	0
0500 RECREATION RESOURCES	2	0.3	20,128	29,577	*	0
0600 TIMBER FORST PRODUCT	16	3.1	113,784	417,873	*	172,776
0700 RANGE	25	6.1	78,355	1,210,185	*	129,759
0800 WILDLIFE AND FISH	12	3.4	77,331	536,939	*	136,566
1000 FRUIT NUTS DECIDUOUS	14	3.2	156,844	435,736	*	22,436
1100 POTATDES	1	0.1	3,102	5,513	*	0
1200 VEGETABLES	2	0.3	5,952	35,257	*	0
1300 ORNAMENTALS TURF	3	0.1	6,249	96,109	*	2,196
1400 CORN	2	0.4	0	54,380	*	74
1700 WHEAT	13	3.9	62,844	727,134	*	49,018
1800 OTHER SMALL GRAINS	7	1.3	27,197	228,559	*	26,443
1900 PASTURE	2	0.2	0	63,799	*	26,443
2000 FORAGE CROPS	25	4.7	110,058	738,029	*	136,360
2800 MISC NEW CROPS	1	0.0	0	7,502	*	74
2900 POULTRY	8	4.5	58,976	661,311	*	0
3000 BEEF CATTLE	13	2.5	77,338	450,025	*	5,124
3100 DAIRY CATTLE	27	12.8	151,651	2,146,088	*	154,735
3200 SWINE	1	0.4	13,042	47,487	*	0
3300 SHEEP AND WDDL	12	3.7	108,521	1,198,525	*	231,540
3400 OTHER ANIMALS	5	1.5	15,156	309,760	*	4,822
3500 BEES AND HONEY	2	0.7	27,770	103,146	*	44,661
3800 FOOD	3	0.9	28,879	117,513	*	0
4000 PEOPLE AS INDIVIDUALS	11	3.8	131,076	639,056	*	0
4100 FAMILY MEMBERS	6	1.3	53,111	159,783	*	0
4200 FARM AS BUSINESS	3	0.3	13,296	58,470	*	0
4300 SDC POLIT ORGANIZ	6	1.5	14,046	230,451	*	1,275
4400 AGRIC ECONDMY U S	1	0.1	3,324	6,296	*	0
6100 WEEDS	3	0.5	18,431	109,354	*	26,443
6200 SEED RESEARCH	1	0.0	0	404	*	0
6300 BID CELL SYSTEMS	3	0.8	31,365	128,508	*	0
6500 INVERTEBRATES	1	0.1	0	7,612	*	0
6600 MICROORGANISMS VIRUSES	2	0.0	0	37,854	*	37,044
6700 PLANTS	21	4.6	97,255	893,630	*	57,729
6800 ANIMALS(VERTEBRATES)	10	7.4	28,474	1,858,083	*	1,018
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	781	1,989	*	0
TOTAL		81.7	1,676,680	14,973,477	*	1,306,067

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	VERMONT		BURLINGTON		SAES WITH SAES AMOUNT 1990
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		
0100 SOIL AND LAND	5	1.8	101,341	306,350	*			86,244
0200 WATER	1	0.0	2,255	2,255	*			0
0500 RECREATION RESOURCES	1	0.2	3,195	22,636	*			0
0600 TIMBER FORST PRODUCT	3	1.2	50,457	571,522	*			45,743
1000 FRUIT NUTS DECIOUOUS	4	1.3	67,065	289,839	*			76,193
1100 POTATOES	1	0.6	28,869	81,848	*			0
1300 ORNAMENTALS TURF	3	0.6	29,544	80,943	*			0
1400 CORN	1	0.0	2,992	7,537	*			0
2000 FORAGE CROPS	1	0.6	26,749	280,427	*			67,106
2900 POULTRY	1	0.4	43,646	95,726	*			0
3000 BEEF CATTLE	1	0.1	1,212	19,454	*			0
3100 DAIRY CATTLE	9	5.9	419,071	1,255,760	*			4,811
3300 SHEEP AND WOOL	1	0.1	1,212	19,454	*			0
3400 OTHER ANIMALS	3	0.5	74,540	145,737	*			0
3700 CLOTHING & TEXTILES	1	0.2	4,214	12,824	*			0
3800 FOOD	1	0.3	14,760	17,202	*			0
3900 HOUSING & EQUIP	1	1.0	80,318	348,077	*			145,104
4000 PEOPLE AS INDIVIDUALS	3	0.9	57,261	102,419	*			0
4100 FAMILY MEMBERS	1	0.1	3,643	15,804	*			0
4300 SOC POLIT ORGANIZ	7	1.1	52,962	160,764	*			0
4400 AGRIC ECONOMY U S	1	0.4	14,189	44,269	*			0
4500 AGRIC ECONOMY FORGN	1	0.3	16,369	37,284	*			0
4800 MARKETING SYSTEMS	1	0.2	3,913	15,929	*			0
6300 BIO CELL SYSTEMS	1	0.0	4,646	233,831	*			49,898
6600 MICROORGANISMS VIRUSES	2	0.6	36,286	177,982	*			4,811
6700 PLANTS	6	2.6	89,048	276,988	*			378
6800 ANIMALS(VERTEBRATES)	1	0.3	10,084	30,085	*			0
TOTAL		21.4	1,239,840	4,652,943	*			480,287

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	VIRGIN ISLANDS ST. THOMAS		USDA CON/GT/CA SYS 1990	SAES WITH SAES AMOUNT 1990
				TOTAL FUNDS (GROSS) 1990			
0100 SOIL AND LAND	1	0.0	5,758	5,758	*		0
0200 WATER	1	0.0	11,517	11,517	*		0
0500 TIMBER FORST PRODUCT	1	0.3	46,037	81,740	*		0
0700 RANGE	1	0.8	110,040	186,510	*		0
0800 WILDLIFE AND FISH	3	0.7	154,493	284,889	*		23,018
0900 CITRUS SUB TROP FRUT	6	0.8	68,200	112,548	*		10,962
1000 FRUIT NUTS DECIOUOUS	1	0.0	1,430	2,424	*		0
1200 VEGETABLES	7	1.3	180,009	311,650	*		20,557
3300 SHEEP AND WOOL	4	1.2	167,269	308,243	*		57,419
TOTAL		5.2	744,814	1,305,259	*		111,956

TABLE II-B. SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

VIRGINIA

BLACKSBURG

SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	18	13.9	152,473	2,822,132	*	40,441
0200 WATER	8	4.2	78,772	970,636	*	11,013
0300 WATERSHEDS RIVER BAS	2	3.2	32,181	780,772	*	1,072
0500 RECREATION RESOURCES	2	1.4	48,176	179,842	*	44,194
0800 TIMBER FORST PRODUCT	37	17.4	342,861	5,193,363	*	583,610
0800 WILDLIFE AND FISH	15	8.9	140,719	3,685,592	*	112,191
0900 CITRUS SUB TROP FRUIT	1	0.9	23,636	199,100	*	0
1000 FRUIT NUTS DECIDUOUS	15	4.9	145,881	1,140,639	*	1,907
1100 POTATOES	8	2.8	81,207	804,404	*	6,974
1200 VEGETABLES	10	5.6	128,522	871,882	*	25,554
1300 ORNAMENTALS TURF	10	9.3	83,214	1,838,786	*	334
1400 CORN	15	6.7	79,121	1,157,705	*	28,342
1500 GRAIN SORGHUM	1	0.3	23,371	60,011	*	16
1700 WHEAT	8	2.9	53,981	370,452	*	9,739
2000 FORAGE CROPS	9	3.7	86,881	1,022,943	*	1,107
2100 COTTON	4	0.5	12,552	49,506	*	3,554
2300 SOYBEANS	20	8.2	167,260	1,804,711	*	125,600
2400 PEANUTS	7	6.7	0	753,641	*	16,056
2600 TOBACCO	3	2.9	0	725,603	*	123
2700 SUGAR CROPS	1	0.7	31,365	187,078	*	28,554
2800 MISC NEW CROPS	2	0.2	16,818	50,873	*	11
2900 POULTRY	23	8.5	344,871	1,747,047	*	82,993
3000 BEEF CATTLE	31	11.6	188,451	3,788,570	*	202,901
3100 DAIRY CATTLE	30	9.3	431,897	2,778,827	*	11,999
3200 SWINE	19	10.4	206,983	1,952,539	*	81,392
3300 SHEEP AND WOOL	11	2.8	98,904	791,717	*	969
3400 OTHER ANIMALS	7	1.7	33,502	319,738	*	69
3600 FARM SUPP & FACILITS	4	0.4	6,627	108,909	*	3,908
3700 CLOTHING & TEXTILES	4	0.4	31,296	93,224	*	16
3800 FOOD	2	0.7	0	77,016	*	13
3900 HOUSING & EQUIP	4	1.1	94,404	429,309	*	29,551
4000 PEOPLE AS INDIVIDUALS	5	0.7	35,017	402,255	*	69
4100 FAMILY MEMBERS	3	0.0	55,042	147,361	*	25
4200 FARM AS BUSINESS	3	2.2	16,912	253,221	*	282
4300 SOC POLIT ORGANIZ	4	0.8	23,625	134,534	*	9,031
4400 AGRIC ECONOMY U S	2	0.8	16,826	110,992	*	6,091
4500 AGRIC ECONOMY FORGN	1	0.3	0	32,223	*	2,592
4700 OTH MARKET PROCESS	1	0.5	34,141	114,493	*	136
5100 WEEES	6	0.5	21,511	151,896	*	6,423
5300 BIO CELL SYSTEMS	2	1.4	35,730	422,812	*	71
5500 INVERTEBRATES	7	3.2	114,275	1,001,356	*	74,800
5600 MICROORGANISMS VIRUSES	18	11.8	280,818	3,464,509	*	129,166
5700 PLANTS	15	3.0	134,421	966,580	*	120,702
5800 ANIMALS(VERTEBRATES)	5	1.2	72,746	379,090	*	955
5900 RESEARCH ON RSCH MGMT	2	1.3	47,381	227,166	*	252
7000 RSCH EQUIP & TECHNOLOGY	4	1.7	0	509,591	*	155,538
TOTAL		181.5	4,062,573	45,072,447	*	1,969,338

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	WASHINGTON	PULLMAN	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	28	5.1	173,882	1,348,568	*	127,388
0200 WATER	13	2.3	135,788	657,359	*	88,775
0300 WATERSHEDS RIVER BAS	3	0.2	10,944	68,684	*	14,171
0500 RECREATION RESOURCES	5	0.5	12,025	88,731	*	1,493
0600 TIMBER FORST PRODUCT	18	4.3	286,074	936,533	*	37,829
0700 RANGE	7	1.3	12,361	179,958	*	0
0800 WILDLIFE AND FISH	10	4.6	14,898	695,078	*	48,079
1000 FRUIT NUTS DECIDUOUS	56	21.3	943,327	5,576,867	*	150,177
1100 POTATOES	23	4.5	40,924	1,408,026	*	398,761
1200 VEGETABLES	41	8.7	339,630	3,328,254	*	272,099
1300 ORNAMENTALS TURF	8	3.5	38,225	597,353	*	0
1400 CORN	7	0.5	17,504	124,230	*	7,690
1600 RICE	2	0.3	3,988	252,378	*	0
1700 WHEAT	33	10.1	145,243	3,128,790	*	547,588
1800 OTHER SMALL GRAINS	12	2.0	54,018	818,603	*	86,882
1900 PASTURE	2	0.0	2,527	10,893	*	0
2000 FORAGE CROPS	17	2.4	234,542	899,956	*	153,431
2100 COTTON	1	0.0	142	2,590	*	0
2500 OTHER OILSEED CROPS	3	0.9	36,230	242,346	*	5,707
2600 TOBACCO	1	0.1	17	109,786	*	9,445
2800 MISC NEW CROPS	14	4.5	165,217	1,264,377	*	135,418
2900 POULTRY	5	2.6	78,217	798,277	*	0
3000 BEEF CATTLE	20	3.1	111,728	1,098,818	*	109,539
3100 DAIRY CATTLE	22	8.8	182,683	1,876,813	*	14,970
3200 SWINE	6	0.8	27,090	319,619	*	0
3300 SHEEP AND WOOL	6	1.1	11,135	192,213	*	0
3400 OTHER ANIMALS	5	0.7	8,473	111,531	*	0
3500 BEES AND HONEY	2	0.3	247	81,700	*	4,795
3700 CLOTHING & TEXTILES	2	0.1	1,120	12,258	*	0
3800 FOOD	13	2.4	57,090	293,357	*	5,633
3900 HOUSING & EQUIP	3	1.3	2,556	185,370	*	0
4000 PEOPLE AS INDIVIDUALS	18	4.7	48,185	582,072	*	0
4100 FAMILY MEMBERS	4	0.6	11,489	59,532	*	0
4200 FARM AS BUSINESS	4	1.6	6,435	211,013	*	2,315
4300 SOC POLIT ORGANIZ	7	1.2	11,247	254,025	*	7,062
4400 AGRIC ECONOMY U S	2	0.4	3,992	57,058	*	7,062
4600 FARM COOPERATIVES	1	0.2	0	12,283	*	0
4700 OTH MARKET PROCESS	1	0.0	0	10,911	*	0
6100 WEEDS	4	0.1	5,937	89,271	*	0
6200 SEED RESEARCH	5	1.0	22,293	253,311	*	64,628
6300 BIO CELL SYSTEMS	3	0.7	1,461	570,459	*	88,846
6400 EXP DESIGN/STAT METHOD	2	0.3	1,072	89,930	*	0
6500 INVERTEBRATES	7	1.7	11,653	308,616	*	1,647
6800 MICROORGANISMS VIRUSES	5	1.0	60,887	275,644	*	6,280
6700 PLANTS	19	7.4	80,837	2,653,306	*	395,036
7000 RSCH EQUIP & TECHNOLOGY	1	1.0	0	169,944	*	0
TOTAL		118.7	3,413,313	32,088,485	*	2,792,746

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	WEST VIRGINIA	MORGANTOWN	SAES
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	9	4.4	314,555	789,593	*	0
0200 WATER	6	1.1	109,082	334,116	*	36,608
0300 WATERSHEDS RIVER BAS	2	0.0	3,307	6,526	*	1,573
0500 RECREATION RESOURCES	3	1.6	34,797	451,108	*	104,981
0600 TIMBER FORST PRODUCT	23	7.8	472,944	1,634,579	*	275,316
0800 WILDLIFE AND FISH	7	2.0	98,635	561,387	*	108,590
1000 FRUIT NUTS DECIDUOUS	9	4.5	258,423	600,853	*	8,733
1100 POTATOES	3	0.6	81,847	144,762	*	2,411
1200 VEGETABLES	2	0.4	27,278	88,017	*	2,095
1300 ORNAMENTALS TURF	3	0.2	18,805	30,719	*	0
1400 CORN	2	0.2	8,708	32,725	*	0
1700 WHEAT	1	0.0	0	2,708	*	0
1800 OTHER SMALL GRAINS	1	0.0	0	2,708	*	0
1900 PASTURE	3	0.9	73,380	179,684	*	3,189
2000 FORAGE CROPS	6	1.3	101,737	238,929	*	17,941
2800 MISC NEW CROPS	1	0.2	9,509	15,928	*	0
2900 POULTRY	7	3.3	190,030	528,465	*	0
3000 BEEF CATTLE	8	2.4	288,573	778,421	*	54,512
3100 DAIRY CATTLE	4	2.0	203,678	572,389	*	0
3300 SHEEP AND WOOL	5	1.0	78,421	231,314	*	5,577
3400 OTHER ANIMALS	1	0.3	13,583	41,146	*	0
3900 HOUSING & EQUIP	2	0.4	30,840	67,388	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.2	6,984	44,774	*	31,511
4100 FAMILY MEMBERS	2	0.3	17,321	27,544	*	0
4200 FARM AS BUSINESS	1	0.1	4,755	7,963	*	0
4300 SOC POLIT ORGANIZ	2	1.2	75,669	152,025	*	0
6300 BIO CELL SYSTEMS	1	0.5	0	76,112	*	0
6700 PLANTS	5	1.1	53,395	144,841	*	11,048
6800 ANIMALS(VERTEBRATES)	3	0.2	5,739	17,695	*	1,805
7000 RSCH EQUIP & TECHNOLOGY	3	0.2	7,328	21,446	*	1,099
TOTAL		38.9	2,589,322	7,805,666	*	666,989



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	WISCONSIN USDA CON/GT/CA SYS 1990	MAISON WITH SAES AMOUNT 1990	SAES
0100 SOIL AND LAND	44	8.6	360,718	1,799,072	*		2,371
0200 WATER	13	3.8	59,542	567,998	*		17,451
0300 WATERSHEDS RIVER BAS	1	0.4	0	81,558	*		0
0400 AIR AND CLIMATE	1	0.1	1,099	8,591	*		0
0500 RECREATION RESOURCES	3	1.1	24,710	183,516	*		0
0600 TIMBER FORST PROOUCT	36	9.8	443,279	1,993,955	*		187,176
0700 RANGE	2	0.4	32,904	94,658	*		0
0800 WILDLIFE AND FISH	14	3.6	54,984	1,299,421	*		54,411
1000 FRUIT NUTS DECIDUOUS	11	2.8	72,670	666,761	*		0
1100 POTATOES	24	4.9	257,411	1,334,933	*		172,681
1200 VEGETABLES	28	6.4	223,247	1,419,745	*		15,132
1300 ORNAMENTALS TURF	4	0.8	7,564	105,614	*		0
1400 CORN	19	4.4	125,447	1,183,201	*		5,987
1600 RICE	1	0.4	17,418	62,821	*		0
1700 WHEAT	3	0.3	2,721	63,680	*		0
1800 OTHER SMALL GRAINS	8	1.5	36,432	511,136	*		0
2000 FORAGE CROPS	22	5.5	176,451	1,470,291	*		35,257
2300 SOYBEANS	12	2.9	94,622	807,385	*		61,787
2600 TOBACCO	1	0.1	0	16,358	*		0
2800 MISC NEW CROPS	2	0.3	0	94,402	*		0
2900 POULTRY	11	3.3	153,677	871,996	*		74,321
3000 BEEF CATTLE	23	4.8	143,026	1,888,462	*		304,706
3100 DAIRY CATTLE	74	18.3	682,718	7,583,564	*		354,169
3200 SWINE	20	4.6	171,528	1,261,286	*		198,144
3300 SHEEP AND WOOL	9	1.7	62,528	433,912	*		73,063
3400 OTHER ANIMALS	7	1.7	38,537	820,218	*		0
3500 BEES AND HONEY	2	0.7	45,154	130,531	*		0
3600 FARM SUPP & FACILITS	1	0.2	0	53,515	*		0
3700 CLOTHING & TEXTILES	1	0.1	19,695	19,895	*		0
3800 FOOD	25	9.7	184,883	3,187,840	*		0
3900 HOUSING & EQUIP	3	0.9	25,270	133,406	*		0
4000 PEOPLE AS INDIVIDUALS	23	8.2	180,507	1,806,847	*		0
4100 FAMILY MEMBERS	6	1.0	85,821	146,925	*		14,386
4200 FARM AS BUSINESS	9	2.5	119,452	368,065	*		0
4300 SOC POLIT ORGANIZ	14	4.8	109,701	2,821,149	*		138,918
4400 AGRIC ECONOMY U S	8	2.2	24,889	298,821	*		61,537
4500 AGRIC ECONOMY FORGN	1	0.3	0	68,918	*		0
4600 FARM COOPERATIVES	3	0.7	26,398	170,305	*		0
4800 MARKETING SYSTEMS	7	0.5	10,390	90,929	*		15,384
6100 WEEDS	4	0.9	49,850	387,562	*		0
6200 SEED RESEARCH	1	0.8	27,330	198,527	*		0
8300 BIO CELL SYSTEMS	29	10.8	52,786	5,150,130	*		68,193
6400 EXP DESIGN/STAT METHOD	5	1.2	48,023	317,324	*		0
8500 INVERTEBRATES	19	5.9	183,938	1,224,772	*		157,688
6600 MICROORGANISMS VIRUSES	34	12.9	182,414	4,095,108	*		254,794
6700 PLANTS	38	8.5	134,878	2,016,790	*		485,430
8800 ANIMALS(VERTEBRATES)	26	5.5	107,050	2,359,647	*		229,205
8900 RESEARCH ON RSCH MGMT	1	0.3	9,040	33,638	*		0
7000 RSCH EQUIP & TECHNOLOGY	3	1.9	0	1,737,478	*		0
TOTAL		173.2	4,810,678	53,022,248	*		2,980,129

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	WYOMING USDA CON/GT/CA SYS 1990	LARAMIE WITH SAES AMOUNT 1990	SAES
0100 SOIL AND LAND	3	1.0	27,391	121,007	*		0
0200 WATER	7	2.5	118,935	353,754	*		0
0300 WATERSHEDS RIVER BAS	1	0.2	0	18,232	*		0
0400 AIR AND CLIMATE	1	0.4	13,405	39,408	*		0
0800 TIMBER FORST PROOUCT	4	1.5	79,993	262,108	*		0
0700 RANGE	10	6.2	195,539	897,597	*		11,553
0800 WILDLIFE AND FISH	2	0.4	7,970	52,252	*		0
1200 VEGETABLES	5	1.5	28,228	181,003	*		0
1400 CORN	2	0.2	1,500	39,001	*		0
1700 WHEAT	2	0.7	18,058	119,321	*		0
1800 OTHER SMALL GRAINS	2	0.5	13,552	91,865	*		0
1900 PASTURE	2	0.3	17,048	86,087	*		0
2000 FORAGE CROPS	9	2.8	115,380	431,398	*		28,392
2300 SOYBEANS	1	0.7	15,100	59,807	*		0
2500 OTHER OILSEED CROPS	2	0.5	0	52,111	*		0
2700 SUGAR CROPS	3	0.8	0	106,819	*		0
3000 BEEF CATTLE	19	12.7	434,233	2,061,741	*		0
3100 DAIRY CATTLE	3	0.9	11,425	85,788	*		0
3200 SWINE	1	0.1	3,655	10,298	*		0
3300 SHEEP AND WOOL	12	5.5	210,484	798,474	*		39,488
3400 OTHER ANIMALS	2	0.9	12,984	177,148	*		0
3800 FOOD	1	0.3	3,500	29,127	*		0
4000 PEOPLE AS INDIVIDUALS	2	0.6	4,340	36,227	*		0
4100 FAMILY MEMBERS	2	0.7	3,600	22,781	*		0
4300 SOC POLIT ORGANIZ	3	0.7	18,301	62,214	*		0
4400 AGRIC ECONOMY U S	2	1.3	16,152	125,507	*		0
4700 OTH MARKET PROCESS	1	0.4	12,473	24,921	*		0
8200 SEED RESEARCH	1	0.6	25,488	113,985	*		11,000
6600 MICROORGANISMS VIRUSES	1	0.0	0	78,494	*		78,494
6700 PLANTS	5	2.4	59,500	274,680	*		3,570
6800 ANIMALS(VERTEBRATES)	3	0.5	13,355	78,035	*		1,190
6900 RESEARCH ON RSCH MGMT	1	0.2	20,014	26,397	*		0
TOTAL		48.0	1,497,559	6,915,366	*		171,886
GRAND TOTAL		8690.2	183,898,599	1,596,455,283	*		109,154,812

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	47	12.1	156,147	2,241,612	*	115,062
0200 WATER	21	9.6	47,566	1,895,129	*	15,553
0300 WATERSHEDS RIVER BAS	40	9.5	78,218	3,061,629	*	111,654
0400 AIR AND CLIMATE	10	5.4	5,975	1,333,210	*	24,262
0500 RECREATION RESOURCES	41	13.2	91,399	1,823,981	*	95,290
0600 TIMBER FORST PRODUCT	407	173.9	2,783,168	33,535,212	*	3,588,141
0700 RANGE	6	2.5	31,355	398,625	*	2,434
0800 WILDLIFE AND FISH	76	13.4	384,887	2,910,456	*	260,531
1000 FRUIT NUTS DECIDUOUS	1	0.2	3,034	14,480	*	0
1300 ORNAMENTALS TURF	2	0.0	0	27,250	*	0
2500 OTHER OILSEED CROPS	1	0.2	0	118,835	*	0
2800 MISC NEW CROPS	1	0.0	0	2,440	*	0
3600 FARM SUPP & FACILITS	1	0.1	0	75,068	*	0
3900 HOUSING & EQUIP	6	1.0	0	271,613	*	0
4000 PEOPLE AS INDIVIDUALS	6	0.5	29,663	157,897	*	4,954
4300 SOC POLIT ORGANIZ	5	1.8	32,321	215,391	*	627
6300 BIO CELL SYSTEMS	2	2.0	0	204,573	*	0
6400 EXP DESIGN/STAT METHOO	2	0.3	16,280	142,485	*	884
6500 INVERTEBRATES	7	1.6	7,698	236,164	*	111,727
6600 MICROORGANISMS VIRUSES	15	2.5	37,505	599,598	*	24,853
6700 PLANTS	10	1.2	0	211,545	*	60,632
6800 ANIMALS(VERTEBRATES)	1	0.1	0	14,134	*	0
6900 RESEARCH ON RSCH MGMT	3	1.7	97,971	186,657	*	100
7000 RSCH EQUIP & TECHNOLOGY	17	5.1	7,555	898,812	*	47,429
TOTAL		257.9	3,810,722	50,576,795	*	4,462,332

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
101 APPRAIS OF SOIL RESOR	9	3.3	89,243	424,558	*	755
102 SOIL PLNT WTR NUTRI	37	11.2	198,775	2,431,281	*	435,328
103 MGMT OF SALINE SOILS	1	0.4	19,718	70,050	*	0
104 ALTERN USE OF LAND	7	0.3	15,118	107,713	*	1,013
105 CONSERV USE OF WATER	4	1.0	11,498	131,191	*	0
107 WATERSHED PROT & MGMT	33	8.3	81,420	1,912,598	*	148,420
108 ECON LES PROB OF WAT	1	0.1	0	8,505	*	0
109 WEATHER ADAPT & MOD	10	1.9	31,195	467,812	*	0
110 APPRAIS FORST & RANGS	46	8.8	271,372	1,846,774	*	101,066
111 BIOL CULT MGMT FORSTS	107	54.5	832,171	10,451,176	*	1,305,707
112 IMPROV RANGE RESOR	4	2.3	18,883	355,092	*	0
113 REMOTE SENSING	15	3.2	106,666	417,328	*	0
114 RSCH ON MGMT OF RSCH	3	1.7	97,971	186,657	*	100
SUBTOTAL		94.8	1,774,028	18,810,714	*	1,990,387
SERIES 200						
201 CNTRL FORST INSECTS	22	2.4	113,023	673,948	*	30,606
202 CONTROL FOREST DIS	23	5.6	284,519	728,603	*	58,418
203 FOREST FIRE PROTECT	4	0.3	3,000	58,191	*	14,217
209 CNTR WEEDES FLD CROPS	1	0.0	0	3,701	*	3,701
214 PROTECT FROM POLLUTION	21	5.8	82,951	1,269,038	*	82,501
SUBTOTAL		14.1	483,493	2,731,479	*	188,443
SERIES 300						
301 GENET BREEO FORST TRE	25	19.7	271,991	4,288,062	*	122,275
302 IMP FOREST ENG SYS	20	7.2	115,929	1,389,825	*	210,741
303 ECON TIMBER PRODUCTN	18	4.9	129,048	695,894	*	74,660
307 IMP BIO EFF FLD CRP	2	0.1	0	19,231	*	16,791
318 NON COM BIO TECH/BIMET	17	7.1	57,483	1,269,084	*	154,904
SUBTOTAL		39.0	574,432	7,662,098	*	579,371
SERIES 400						
401 NEW IMP FOREST PROO	87	48.4	238,698	8,837,264	*	712,418
407 NEW IMP NON FOOD FC	1	0.2	0	118,835	*	0
SUBTOTAL		48.6	238,698	8,956,099	*	712,418
SERIES 500						
502 MKTG TIMBER PRODUCTS	11	4.2	45,089	581,285	*	272,781
508 SPLY DEMAND AND PRIC	1	0.0	0	5,349	*	0
512 IMP GRADES FRST PROD	2	0.8	31,344	55,178	*	11,727
513 PRICE ANAL FRST PROD	4	0.4	12,914	49,641	*	2,814
SUBTOTAL		5.2	89,347	671,454	*	287,322
SERIES 600						
601 FGN MKT DEVELP	3	1.7	23,055	350,294	*	270,670
603 TECH AID DEV CRTY	2	0.3	0	56,579	*	0
604 PRO OVLPMT/MKTG FRGN	2	0.1	0	20,154	*	7,061
SUBTOTAL		2.1	23,055	427,027	*	277,731
SERIES 700						
702 FOOD PROT FROM TOX	1	0.0	0	2,377	*	0
707 TRANS ANIML MAN DIS	1	0.0	0	27,919	*	0
SUBTOTAL		0.0	0	30,296	*	0
SERIES 800						
801 RURAL HOUSING	1	0.1	0	9,557	*	0
804 ECON POTENT RURL PEO	1	0.2	3,664	41,964	*	0
805 COMMUNICAT EDUC PROC	6	0.7	37,031	163,752	*	5,581
808 ADJUSTMENT TO CHANGE	1	0.0	0	2,813	*	0
SUBTOTAL		1.0	40,695	218,088	*	5,581
SERIES 900						
901 ALLEV POLLUTION	27	23.1	11,884	6,020,958	*	31,775
902 OUTDOOR RECREATION	34	14.2	88,782	1,853,580	*	88,892
903 MULTI USE FOREST POTEN	24	3.7	193,700	904,617	*	84,871
904 WDLFE AND FISH ECOL	64	10.7	271,310	2,083,542	*	232,697
905 TREES BEAUTIFICATION	5	0.1	30	96,487	*	1,843
906 ORNAMENT & TURF DEV	1	0.0	0	2,113	*	0
908 RURAL INSTITUT IMP	1	1.1	21,289	108,247	*	0
SUBTOTAL		52.9	586,976	11,069,544	*	420,079
SCIENCE IN SERV OF MAN						
GRAND TOTAL		257.9	3,810,722	50,576,795	*	4,482,332

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	FORESTRY SCH	ANN ARBOR	F S
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	3	0.0	0	60,220	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	3,032	12,901	*	0
0400 AIR AND CLIMATE	1	0.0	0	19,892	*	0
0500 RECREATION RESOURCES	5	0.4	12,856	76,898	*	0
0600 TIMBER FORST PRODUCT	24	3.1	151,835	1,164,527	*	0
0700 RANGE	1	0.0	3,032	12,901	*	0
0800 WILDLIFE AND FISH	5	0.2	3,032	61,115	*	0
1300 ORNAMENTALS TURF	1	0.0	0	2,113	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	2,813	*	0
TOTAL		3.9	173,785	1,413,181	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	FORESTRY SCH	ARCATA	F S
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0200 WATER	1	0.0	1,075	2,955	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	1,075	2,955	*	0
0600 TIMBER FORST PRODUCT	6	0.3	65,567	295,606	*	0
0800 WILDLIFE AND FISH	1	0.0	7,279	9,100	*	0
TOTAL		0.3	74,995	310,615	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	FORESTRY SCH	BURLINGTON	F S
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	3	0.0	2,326	24,973	*	1,037
0300 WATERSHEDS RIVER BAS	1	0.0	0	9,995	*	0
0500 RECREATION RESOURCES	1	0.0	0	12,394	*	1,882
0600 TIMBER FORST PRODUCT	7	2.9	116,540	528,303	*	104,141
0800 WILDLIFE AND FISH	1	0.6	50,489	77,049	*	0
6400 EXP DESIGN/STAT METHOD	1	0.1	16,280	34,806	*	166
6600 MICROORGANISMS VIRUSES	1	0.3	165	57,439	*	9,955
6900 RESEARCH ON RSCH MGMT	1	0.6	63,724	64,110	*	0
TOTAL		4.5	249,523	809,070	*	117,181

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	FORESTRY SCH	CARBONDALE	F S
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.1	0	14,783	*	0
0400 AIR AND CLIMATE	1	0.6	5,975	46,860	*	0
0500 RECREATION RESOURCES	1	0.3	14,007	46,269	*	0
0600 TIMBER FORST PRODUCT	9	6.5	119,874	626,527	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.2	3,034	14,480	*	0
TOTAL		7.7	142,890	748,919	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

FORESTRY SCH CLEMSON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	3	0.2	22,968	41,721	*	0
0200 WATER	1	0.1	0	14,138	*	0
0300 WATERSHEDS RIVER BAS	2	0.2	0	29,879	*	0
0500 RECREATION RESOURCES	1	0.2	0	20,729	*	0
0600 TIMBER FORST PRODUCT	35	11.6	316,246	1,372,409	*	0
0800 WILDLIFE AND FISH	9	0.9	77,582	136,177	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	7,368	7,368	*	0
4300 SOC POLIT ORGANIZ	1	0.0	7,368	7,368	*	0
TOTAL		13.3	431,532	1,629,789	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

FORESTRY SCH CORVALLIS F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	9	4.1	46,200	480,047	*	97,239
0200 WATER	5	2.6	0	323,567	*	15,553
0300 WATERSHEDS RIVER BAS	5	2.4	34,980	322,274	*	39,854
0400 AIR AND CLIMATE	1	0.2	0	19,821	*	19,821
0500 RECREATION RESOURCES	5	6.3	11,070	732,962	*	51,140
0600 TIMBER FORST PRODUCT	60	45.3	468,589	6,459,384	*	1,319,028
0800 WILDLIFE AND FISH	3	3.3	10,000	218,511	*	82,837
4300 SOC POLIT ORGANIZ	1	1.1	21,289	108,247	*	0
6600 MICROORGANISMS VIRUSES	2	0.6	0	56,820	*	14,181
6700 PLANTS	1	0.1	0	16,791	*	16,791
7000 RSCH EQUIP & TECHNOLOGY	3	0.4	0	35,817	*	9,049
TOTAL		66.4	592,128	8,774,241	*	1,665,493

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

FORESTRY SCH FLAGSTAFF F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.1	10,918	30,052	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	0	6,101	*	0
0500 RECREATION RESOURCES	1	0.0	0	337	*	265
0600 TIMBER FORST PRODUCT	18	3.5	107,468	496,301	*	50,690
0800 WILDLIFE AND FISH	3	0.0	0	19,746	*	4,098
TOTAL		3.6	118,386	552,537	*	55,053

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

FORESTRY SCH HOUGHTON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	1.1	0	94,636	*	0
0400 AIR AND CLIMATE	1	0.1	0	174,369	*	0
0600 TIMBER FORST PRODUCT	23	11.8	145,850	2,125,526	*	122,249
0800 WILDLIFE AND FISH	2	0.2	15,157	173,224	*	5,000
TOTAL		13.2	161,007	2,567,755	*	127,249

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	FORESTRY SCH MISSOULA USDA CON/GT/CA SYS 1990	F S WITH SAES AMOUNT 1990
0200 WATER	1	0.6	0	80,120	*	0
0300 WATERSHEDS RIVER BAS	3	0.4	31,078	60,281	*	29,203
0500 RECREATION RESOURCES	6	3.7	33,951	520,185	*	17,384
0600 TIMBER FORST PRODUCT	21	9.0	225,198	1,195,391	*	132,208
0700 RANGE	1	1.8	0	240,359	*	0
0800 WILDLIFE AND FISH	7	1.4	57,022	175,144	*	113,477
TOTAL		16.9	347,249	2,271,480	*	292,272

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	FORESTRY SCH MOSCOW USDA CON/GT/CA SYS 1990	F S WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.2	6,342	37,542	*	0
0200 WATER	1	0.2	36,010	72,510	*	0
0500 RECREATION RESOURCES	2	1.0	19,515	216,913	*	0
0600 TIMBER FORST PRODUCT	13	13.2	145,498	1,785,132	*	25,662
0700 RANGE	3	0.6	28,324	138,999	*	0
0800 WILDLIFE AND FISH	9	2.1	55,691	402,494	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.2	22,295	53,795	*	0
4300 SOC POLIT ORGANIZ	1	0.2	3,664	41,964	*	0
6900 RESEARCH ON RSCH MGMT	1	1.1	34,247	122,447	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	7,555	31,455	*	0
TOTAL		19.0	359,139	2,883,251	*	25,662

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	FORESTRY SCH NACOGDOCHES USDA CON/GT/CA SYS 1990	F S WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.1	8,507	23,116	*	0
0200 WATER	1	0.1	6,704	23,817	*	0
0300 WATERSHEDS RIVER BAS	1	0.4	8,054	63,296	*	0
0600 TIMBER FORST PRODUCT	11	3.4	140,175	914,423	*	12,828
0800 WILDLIFE AND FISH	2	0.6	48,522	288,878	*	35,265
TOTAL		4.6	209,962	1,313,531	*	48,093

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	FORESTRY SCH RUSTON USDA CON/GT/CA SYS 1990	F S WITH SAES AMOUNT 1990
0600 TIMBER FORST PRODUCT	10	2.8	145,341	361,369	*	0
TOTAL		2.8	145,341	361,369	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	FORESTRY SCH S L OBISPO F S		
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0600 TIMBER FORST PRODUCT	1	0.3	25,264	55,398	*	0
TOTAL		0.3	25,264	55,398	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	FORESTRY SCH SEATTLE F S		
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	13	1.2	51,443	251,101	*	16,786
0200 WATER	2	1.1	0	158,993	*	0
0300 WATERSHEDS RIVER BAS	16	1.3	0	1,413,176	*	42,797
0400 AIR AND CLIMATE	3	0.2	0	58,807	*	4,441
0500 RECREATION RESOURCES	10	1.2	0	137,125	*	18,876
0600 TIMBER FORST PRODUCT	87	13.1	293,392	5,162,815	*	1,594,086
0800 WILDLIFE AND FISH	9	1.6	38,801	556,770	*	4,873
1300 ORNAMENTALS TURF	1	0.0	0	25,137	*	0
2500 OTHER OILSEED CROPS	1	0.2	0	118,835	*	0
3600 FARM SUPP & FACILITS	1	0.1	0	75,068	*	0
3900 HOUSING & EQUIP	3	0.5	0	143,499	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.2	0	12,441	*	0
4300 SOC POLIT ORGANIZ	1	0.0	0	627	*	627
6600 MICROORGANISMS VIRUSES	1	0.0	0	902	*	0
6700 PLANTS	4	0.1	0	50,201	*	28,028
6900 RESEARCH ON RSCH MGMT	1	0.0	0	100	*	100
7000 RSCH EQUIP & TECHNOLOGY	2	0.3	0	57,362	*	29,540
TOTAL		21.3	383,636	8,222,958	*	1,740,154

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRD (GROSS) 1990	FORESTRY SCH SYRACUSE F S		
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	11	4.8	9,443	1,183,420	*	0
0200 WATER	9	4.8	3,777	1,219,030	*	0
0300 WATERSHEDS RIVER BAS	9	4.7	0	1,140,771	*	0
0400 AIR AND CLIMATE	3	4.2	0	1,013,661	*	0
0500 RECREATION RESOURCES	9	0.2	0	60,168	*	5,743
0600 TIMBER FORST PRODUCT	82	47.1	316,335	11,012,101	*	225,247
0700 RANGE	1	0.0	0	6,366	*	2,434
0800 WILDLIFE AND FISH	25	2.4	21,292	792,247	*	14,981
2800 MISC NEW CROPS	1	0.0	0	2,440	*	0
3900 HOUSING & EQUIP	3	0.5	0	128,114	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.1	0	81,480	*	4,954
4300 SOC POLIT ORGANIZ	1	0.5	0	57,185	*	0
6300 BIO CELL SYSTEMS	2	2.0	0	204,573	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	0	107,679	*	718
6500 INVERTEBRATES	7	1.6	7,698	236,164	*	111,727
6600 MICROORGANISMS VIRUSES	11	1.7	37,341	484,437	*	718
6700 PLANTS	5	1.0	0	144,554	*	15,813
6800 ANIMALS(VERTEBRATES)	1	0.1	0	14,134	*	0
7000 RSCH EQUIP & TECHNOLOGY	11	4.1	0	774,179	*	8,839
TOTAL		80.1	395,885	18,662,701	*	391,175
GRAND TOTAL		257.9	3,810,722	50,576,795	*	4,462,332

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMOOITY --

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	13	5.5	732,248	755,743	*	0
0200 WATER	3	1.1	240,871	241,697	*	0
0300 WATERSHEDS RIVER BAS	2	3.0	182,670	182,670	*	0
0400 AIR AND CLIMATE	1	0.1	12,040	12,040	*	0
0600 TIMBER FORST PRODUCT	8	1.8	368,449	467,713	*	48,067
0700 RANGE	1	0.8	82,877	93,790	*	0
0800 WILDLIFE AND FISH	18	10.2	1,748,554	1,949,827	*	0
0900 CITRUS SUB TROP FRUT	2	0.6	99,448	99,448	*	0
1000 FRUIT NUTS DECIDUOUS	8	3.6	504,918	511,691	*	0
1100 POTATOES	1	0.3	32,640	33,526	*	0
1200 VEGETABLES	25	18.3	2,281,781	2,385,513	*	0
1300 ORNAMENTALS TURF	6	2.4	506,431	506,431	*	0
1400 CORN	3	1.1	266,645	267,636	*	0
1500 GRAIN SORGHUM	3	0.4	73,582	75,860	*	0
1700 WHEAT	4	0.2	26,176	51,720	*	23,425
1800 OTHER SMALL GRAINS	4	0.7	114,175	262,864	*	5,856
2000 FORAGE CROPS	10	3.4	508,736	551,718	*	0
2100 COTTON	1	0.0	0	7,714	*	0
2300 SOYBEANS	21	15.0	2,129,315	2,289,811	*	0
2400 PEANUTS	3	2.7	126,139	205,826	*	0
2500 OTHER OILSEED CROPS	2	1.3	162,280	163,187	*	0
2800 MISC NEW CROPS	1	0.6	75,890	76,087	*	0
2900 POULTRY	10	4.0	702,175	880,793	*	12,198
3000 BEEF CATTLE	9	2.8	629,566	692,593	*	761
3100 DAIRY CATTLE	4	1.1	205,757	211,753	*	761
3200 SWINE	8	4.9	1,056,764	1,110,932	*	0
3300 SHEEP AND WOOL	3	1.1	156,454	207,834	*	0
3400 OTHER ANIMALS	24	21.5	3,462,779	3,635,095	*	61,498
3500 BEES AND HONEY	1	1.0	129,500	129,500	*	0
3600 FARM SUPP & FACILITS	1	0.3	32,640	33,526	*	0
3700 CLOTHING & TEXTILES	13	3.3	576,319	584,283	*	0
3800 FOOD	14	5.4	835,686	837,862	*	0
3900 HOUSING & EQUIP	8	1.9	284,569	285,794	*	0
4000 PEOPLE AS INDIVIDUALS	28	15.0	1,934,718	1,956,596	*	0
4100 FAMILY MEMBERS	10	3.4	350,942	411,744	*	0
4200 FARM AS BUSINESS	6	2.5	324,221	352,306	*	0
4300 SOC POLIT ORGANIZ	16	6.0	953,615	1,081,931	*	100,750
4400 AGRIC ECONOMY U S	2	0.2	25,974	32,292	*	0
4700 OTH MARKET PROCESS	1	0.3	54,887	54,887	*	0
4800 MARKETING SYSTEMS	5	1.7	258,834	283,782	*	0
6100 WEEOS	1	0.1	17,974	17,974	*	0
6300 BID CELL SYSTEMS	2	0.8	178,961	186,817	*	0
6500 INVERTEBRATES	1	1.0	63,070	63,070	*	0
6600 MICROORGANISMS VIRUSES	1	0.1	22,010	22,010	*	0
6700 PLANTS	2	0.2	45,897	47,591	*	1,694
6800 ANIMALS(VERTEBRATES)	3	2.4	500,562	500,562	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.8	152,991	152,991	*	0
TOTAL		154.8	23,272,731	24,987,049	*	255,010



TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
102 SOIL PLNT WTR NUTRI	11	5.3	768,074	803,166	*	0
103 MGMT OF SALINE SOILS	1	0.1	104,989	113,580	*	0
104 ALTERN USE OF LAND	2	0.3	40,948	40,948	*	0
105 CONSERV USE OF WATER	3	3.4	228,581	228,581	*	0
106 DRAIN AND IRRIGATION	1	0.1	13,421	13,421	*	0
109 WEATHER ADAPT & MDO	1	0.2	24,080	24,080	*	0
110 APPRAIS FORST & RANGS	1	0.6	62,158	70,343	*	0
111 BIOL CULT MGMT FORSTS	2	0.6	77,429	113,860	*	0
112 IMPROV RANGE RESOR	1	0.2	20,719	23,448	*	0
113 REMOTE SENSING	2	1.0	95,802	129,670	*	24,502
SUBTOTAL		11.7	1,438,201	1,561,096	*	24,502
SERIES 200						
204 CNTR PESTS FRT & VEGS	3	1.2	138,078	139,772	*	1,894
205 CNTR OISE FRT & VEG	4	0.4	74,483	74,483	*	0
206 CNTR WEEDS FRT & VEG	3	1.2	139,923	139,923	*	0
207 CNTR PESTS FLD CRDPS	4	8.3	668,985	703,340	*	0
208 CNTR DIS FIELD CRDPS	1	0.7	77,429	81,997	*	0
211 CNTR DIS ANIMALS	4	0.9	175,048	197,377	*	6,800
212 CNTR INTER PARASITES	1	0.0	4,247	19,714	*	5,278
213 PRDT ANMLS FROM TOXINS	1	0.2	45,897	45,897	*	0
214 PROTECT FROM POLLUTION	1	1.4	267,735	267,735	*	0
SUBTOTAL		12.4	1,589,786	1,670,218	*	13,771
SERIES 300						
301 GENET BREED FORST TRE	3	0.5	158,020	181,585	*	23,565
304 IMP BID EFF FRT & VEGS	20	14.9	1,940,206	2,039,258	*	0
306 PRDD MGMT SYS F & V	3	0.6	98,127	103,082	*	0
307 IMP BID EFF FLD CRP	21	10.5	1,670,060	1,975,520	*	29,281
309 PRDD MGMT SYS FLD CRP	2	2.3	284,485	286,662	*	0
310 ANIMAL REPRDUCTION	14	8.4	1,580,081	1,711,635	*	14,148
311 IMP BID EFF ANML PR	26	16.7	3,281,822	3,448,138	*	41,251
312 ENV STRESS IN ANML PR	1	0.5	73,609	74,332	*	0
313 PRDD MGMT SYS ANML PR	3	0.7	131,405	198,978	*	657
314 BEES OTH POLLNTNG INS	1	1.0	129,500	129,500	*	0
315 IMP STRUC FARM SUPP	1	0.3	32,640	33,526	*	0
316 FARM BUSINESS MGMT	5	1.9	223,598	237,824	*	0
318 NDN CDM BID TECH/BIMET	2	0.8	178,961	186,817	*	0
SUBTOTAL		59.0	9,780,673	10,606,856	*	108,902
SERIES 400						
402 PRDD F & V IMP ACCEPT	2	0.3	42,307	42,307	*	0
403 NEW & IMP F & V PRDD	3	0.7	84,552	85,438	*	0
404 MKT QUAL FRTS & VEGS	2	0.3	51,110	51,110	*	0
405 PRDD FLD CRDP IMP ACPT	2	0.5	68,792	68,792	*	0
406 NEW IMP FDDO FLD CRDP	4	1.6	198,182	205,641	*	0
407 NEW IMP NDN FDDO FC	1	0.2	68,152	69,052	*	0
408 MKT QUAL FELD CRDPS	2	1.1	241,287	242,030	*	0
409 PRDD ANML PR IMP ACCP	4	0.9	90,100	123,782	*	2,834
410 IMP MEAT MILK EGG PR	4	2.5	398,320	400,446	*	2,125
411 IMP NON FDDO ANML PR	1	0.4	0	2,125	*	2,125
SUBTOTAL		8.8	1,240,804	1,290,706	*	7,085
SERIES 500						
503 MKTG EFF AGRI PRODS	1	0.2	14,701	14,992	*	0
506 SPLY DEMAND AND PRIC	5	2.2	284,726	285,017	*	0
507 CDM REL IN AGRIC	1	0.3	68,993	68,993	*	0
508 DOMESTIC MKT DEVELP	4	1.4	265,774	265,774	*	0
509 PERFORMANCE MKTG SYS	7	1.9	298,441	306,849	*	0
510 GRDUP ACT MKT POWER	1	0.1	833	15,373	*	0
SUBTOTAL		6.0	931,468	956,997	*	0
SERIES 600						
603 TECH AID DEV CRTY	3	1.9	0	114,097	*	0
SUBTOTAL		1.9	0	114,097	*	0
SERIES 700						
701 TDX RES IN FDDO	1	0.5	69,894	71,215	*	0
702 FDDO PRDT FROM TDX	4	1.0	151,718	193,241	*	0
703 FDDO CONSUM HABITS	17	4.8	862,779	865,670	*	0
705 SEL CARE CLOTH & TEXTL	12	3.1	508,167	515,231	*	0
708 HUMAN NUTRITION	20	10.1	1,273,137	1,281,935	*	0
SUBTOTAL		19.5	2,865,696	2,927,292	*	0
SERIES 800						
801 RURAL HOUSING	13	2.5	445,774	447,681	*	0
802 INDIV & FAM DEC MAKING	9	2.8	311,930	314,401	*	0
803 RURAL POVERTY	2	0.3	38,584	38,584	*	0
804 ECDN PDENT RURL PED	11	4.8	552,525	590,753	*	0
805 COMMUNICAT EDUC PRDC	6	3.5	583,694	598,170	*	0
806 ADJUSTMENT TO CHANGE	9	3.8	411,381	411,834	*	0
807 AGRIC ECONOMIC CHANGE	5	1.9	312,293	345,105	*	0
SUBTOTAL		19.6	2,656,181	2,746,529	*	0
SERIES 900						
901 ALLEY POLLUTION	4	1.4	298,147	305,861	*	0
904 WDLFE AND FISH ECDL	17	10.4	1,815,439	1,813,546	*	0
905 TREES BEAUTIFICATION	2	0.4	99,449	114,215	*	0
906 ORNAMENT & TURF DEV	6	2.3	497,278	497,278	*	0
907 RURAL INCOME IMP	1	0.0	4,948	4,948	*	0
908 RURAL INSTITUT IMP	4	1.4	256,860	357,410	*	100,750
SUBTOTAL		16.0	2,771,921	3,093,258	*	100,750
SCIENCE IN SERV OF MAN						
GRAND TOTAL		154.8	23,272,731	24,967,049	*	255,010

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	AG TECH NC. GREENSBORO		1890
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	2	1.4	229,484	233,696	*	0
0200 WATER	1	0.4	45,495	46,321	*	0
0800 WILDLIFE AND FISH	1	0.7	168,259	171,425	*	0
1100 POTATOES	1	0.3	32,840	33,526	*	0
1400 CORN	1	0.1	25,358	25,836	*	0
1500 GRAIN SORGHUM	1	0.1	25,358	25,836	*	0
2000 FORAGE CRDPS	1	0.0	52,057	53,041	*	0
2300 SOYBEANS	3	1.1	237,516	241,968	*	0
2900 PDULTRY	1	0.7	114,972	117,183	*	0
3000 BEEF CATTLE	1	0.5	193,826	208,322	*	0
3200 SWINE	2	1.5	423,755	439,685	*	0
3600 FARM SUPP & FACILITS	1	0.3	32,640	33,526	*	0
3800 FDDD	1	0.5	69,894	71,215	*	0
4000 PEDPLE AS INDIVIDUALS	5	2.7	342,635	349,079	*	0
4100 FAMILY MEMBERS	1	0.3	27,170	27,676	*	0
4200 FARM AS BUSINESS	1	0.5	65,077	66,300	*	0
4300 SDC PDLIT ORGANIZ	1	0.2	18,113	18,451	*	0
4800 MARKETING SYSTEMS	2	0.8	158,930	161,923	*	0
TOTAL		12.1	2,263,158	2,325,009	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	ALA A&M NORMAL		1890
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	2	0.9	95,802	112,882	*	0
0600 TIMBER FRST PRDDUCT	5	0.7	77,429	161,927	*	48,067
1000 FRUIT NUTS DECIDUOUS	1	0.4	101,062	107,660	*	0
1200 VEGETABLES	2	0.1	22,037	83,997	*	0
1400 CORN	1	0.0	0	513	*	0
1500 GRAIN SORGHUM	1	0.2	36,746	38,545	*	0
1700 WHEAT	3	0.1	14,698	40,242	*	23,425
1800 OTHER SMALL GRAINS	4	0.7	114,175	262,664	*	5,856
2000 FORAGE CRDPS	3	0.4	41,996	54,134	*	0
2100 COTTON	1	0.0	0	7,714	*	0
2300 SOYBEANS	8	2.1	435,442	492,752	*	0
2400 PEANUTS	2	1.7	0	79,687	*	0
2500 OTHER DILSEED CRDPS	1	0.1	10,499	11,013	*	0
2900 PDULTRY	1	0.0	0	61,540	*	0
3000 BEEF CATTLE	1	0.1	18,373	22,301	*	0
3100 DAIRY CATTLE	1	0.1	33,071	35,636	*	0
3200 SWINE	1	0.1	18,373	22,301	*	0
3300 SHEEP AND WDDL	1	0.2	0	6,776	*	0
3400 OTHER ANIMALS	4	2.0	86,354	163,017	*	0
3700 CLOTHING & TEXTILES	2	0.5	58,783	65,149	*	0
3800 FDDD	1	0.1	22,037	22,680	*	0
3900 HOUSING & EQUIP	1	0.1	22,037	22,680	*	0
4000 PEDPLE AS INDIVIDUALS	1	0.1	43,176	57,652	*	0
4100 FAMILY MEMBERS	1	0.0	0	19,404	*	0
4200 FARM AS BUSINESS	1	0.1	33,072	45,707	*	0
4300 SDC PDLIT ORGANIZ	3	0.4	76,248	204,110	*	100,750
4400 AGRIC ECONOMY U S	1	0.1	16,536	22,854	*	0
6300 BID CELL SYSTEMS	1	0.3	36,746	44,602	*	0
6700 PLANTS	1	0.0	0	1,694	*	1,694
TOTAL		11.6	1,414,690	2,272,034	*	179,792

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	ALA TUSKEGEE TUSKEGEE		1890
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	2	0.5	52,267	52,267	*	0
0200 WATER	1	0.3	33,925	33,925	*	0
1200 VEGETABLES	2	2.0	479,005	479,005	*	0
2900 PDULTRY	1	0.5	114,670	114,670	*	0
3200 SWINE	1	0.6	139,463	139,463	*	0
3400 OTHER ANIMALS	1	1.7	236,308	236,308	*	0
4000 PEDPLE AS INDIVIDUALS	2	1.1	228,072	228,072	*	0
4100 FAMILY MEMBERS	1	0.5	58,162	58,162	*	0
4300 SDC PDLIT ORGANIZ	1	0.3	29,081	29,081	*	0
TOTAL		7.5	1,370,952	1,370,952	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				ALCORN A&M	LORMAN	1890
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0200 WATER	1	0.4	161,451	161,451	*	0
1000 FRUIT NUTS DECIDUOUS	1	1.2	101,540	101,540	*	0
1200 VEGETABLES	3	0.7	181,192	181,192	*	0
2000 FORAGE CROPS	1	0.3	51,339	51,339	*	0
2300 SOYBEANS	1	0.5	119,658	119,658	*	0
2900 POULTRY	1	1.1	115,151	115,151	*	0
3000 BEEF CATTLE	1	0.3	51,339	51,339	*	0
3100 DAIRY CATTLE	1	0.4	125,283	125,283	*	0
3700 CLOTHING & TEXTILES	1	0.3	54,511	54,511	*	0
3800 FOOD	1	0.4	72,682	72,682	*	0
3900 HOUSING & EQUIP	1	0.3	54,511	54,511	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.9	163,335	163,335	*	0
4200 FARM AS BUSINESS	1	0.2	52,227	52,227	*	0
4300 SOC POLIT ORGANIZ	1	0.3	39,023	39,023	*	0
4800 MARKETING SYSTEMS	1	0.7	90,245	90,245	*	0
6100 WEEDS	1	0.1	17,974	17,974	*	0
TOTAL		8.1	1,451,462	1,451,462	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				ARK A&M	PINE BLUFF	1890
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	6	3.3	414,994	418,096	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.1	8,821	8,995	*	0
1200 VEGETABLES	1	0.3	20,582	20,989	*	0
2000 FORAGE CROPS	1	1.0	126,484	126,812	*	0
2500 OTHER OILSEED CROPS	1	1.2	151,781	152,174	*	0
2800 MISC NEW CROPS	1	0.6	75,890	76,087	*	0
2900 POULTRY	2	1.2	157,900	158,678	*	0
3700 CLOTHING & TEXTILES	2	0.6	102,238	102,935	*	0
3800 FOOD	1	0.1	18,248	18,481	*	0
3900 HOUSING & EQUIP	1	0.1	36,414	36,995	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.7	90,213	91,172	*	0
4100 FAMILY MEMBERS	1	0.0	10,093	10,267	*	0
4300 SOC POLIT ORGANIZ	1	0.0	6,728	6,845	*	0
4800 MARKETING SYSTEMS	1	0.0	8,411	8,558	*	0
TOTAL		9.4	1,228,798	1,237,081	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				OEL STATE COL	DOVER	1890
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0600 TIMBER FORST PRODUCT	1	0.2	59,187	73,953	*	0
0800 WILDLIFE AND FISH	2	1.7	150,002	179,534	*	0
1200 VEGETABLES	1	1.8	96,466	111,234	*	0
2000 FORAGE CROPS	2	1.0	148,513	176,045	*	0
4000 PEOPLE AS INDIVIDUALS	1	1.0	30,665	30,665	*	0
TOTAL		5.7	482,835	571,431	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --				FLORIDA A&M	TALLAHASSEE	1890
CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	1.0	115,633	115,633	*	0
0300 WATERSHEDS RIVER BAS	2	3.0	182,670	182,670	*	0
0800 WILDLIFE AND FISH	1	0.4	33,361	33,361	*	0
1200 VEGETABLES	1	1.0	119,736	119,736	*	0
2400 PEANUTS	1	1.0	126,139	126,139	*	0
3000 BEEF CATTLE	1	1.0	62,338	62,338	*	0
3200 SWINE	1	1.0	92,038	92,038	*	0
3400 OTHER ANIMALS	1	0.7	116,459	116,459	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.4	33,361	33,361	*	0
4300 SOC POLIT ORGANIZ	1	0.3	60,659	60,659	*	0
6500 INVERTEBRATES	1	1.0	63,070	63,070	*	0
TOTAL		10.8	1,005,464	1,005,464	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

FT. VALLEY COL FORT VALLEY

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.2	24,080	24,080	*	0
0400 AIR AND CLIMATE	1	0.1	12,040	12,040	*	0
0900 CITRUS SUB TROP FRUIT	1	0.4	76,995	76,995	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.2	24,080	24,080	*	0
1200 VEGETABLES	5	2.9	376,403	376,403	*	0
1300 ORNAMENTALS TURF	1	0.3	57,047	57,047	*	0
2300 SOYBEANS	1	0.1	10,232	10,232	*	0
3400 OTHER ANIMALS	3	1.7	473,372	473,372	*	0
3700 CLOTHING & TEXTILES	1	0.1	12,074	12,074	*	0
3800 FOOD	2	0.8	83,769	83,769	*	0
3900 HOUSING & EQUIP	1	0.1	12,074	12,074	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.7	89,290	89,290	*	0
4100 FAMILY MEMBERS	1	0.3	38,012	38,012	*	0
4300 SOC POLIT ORGANIZ	1	0.8	98,815	98,815	*	0
6800 ANIMALS (VERTEBRATES)	1	0.8	109,848	109,848	*	0
TOTAL		9.4	1,496,132	1,496,132	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

KY STATE COLL FRANKFORT

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.5	78,869	78,869	*	0
0600 TIMBER FORST PRODUCT	1	0.5	158,020	158,020	*	0
0800 WILDLIFE AND FISH	2	1.0	427,747	427,747	*	0
1400 CORN	1	1.0	241,287	241,287	*	0
2000 FORAGE CROPS	1	0.5	78,869	78,869	*	0
2300 SOYBEANS	1	1.0	113,653	113,653	*	0
3500 BEES AND HONEY	1	1.0	129,500	129,500	*	0
3700 CLOTHING & TEXTILES	1	0.2	88,339	88,339	*	0
3800 FOOD	1	0.2	88,339	88,339	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.2	117,786	117,786	*	0
4100 FAMILY MEMBERS	1	1.0	145,066	145,066	*	0
4300 SOC POLIT ORGANIZ	1	1.0	108,571	108,571	*	0
TOTAL		8.1	1,776,048	1,776,048	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

LANGSTON UNIV LANGSTON

1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.1	11,478	11,478	*	0
0800 WILDLIFE AND FISH	1	1.0	100,578	100,578	*	0
1500 GRAIN SORGHUM	1	0.1	11,478	11,478	*	0
1700 WHEAT	1	0.1	11,478	11,478	*	0
2000 FORAGE CROPS	1	0.1	11,478	11,478	*	0
2300 SOYBEANS	2	1.1	148,663	148,663	*	0
3400 OTHER ANIMALS	4	2.5	690,060	707,060	*	0
TOTAL		5.0	985,212	1,002,212	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	LINCOLN UNIV		JEFFERSON		1890
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.1	16,451	18,634		*		0
0700 RANGE	1	0.8	82,877	93,790		*		0
0900 CITRUS SUB TROP FRUT	1	0.2	22,453	22,453		*		0
1000 FRUIT NUTS DECIDUOUS	1	0.2	22,453	22,453		*		0
1200 VEGETABLES	4	2.9	275,194	296,837		*		0
2300 SOYBEANS	1	0.6	111,268	122,181		*		0
2300 BEEF CATTLE	2	0.3	167,951	209,123		*		0
3200 SWINE	1	0.6	153,324	167,634		*		0
3300 SHEEP AND WOOL	2	0.9	156,454	201,057		*		0
3400 OTHER ANIMALS	3	2.7	264,467	281,622		*		0
3700 CLOTHING & TEXTILES	1	0.1	13,350	13,350		*		0
3800 FOOD	1	0.3	26,700	26,700		*		0
3900 HOUSING & EQUIP	1	0.1	13,350	13,350		*		0
4000 PEOPLE AS INDIVIDUALS	4	2.9	260,029	260,029		*		0
4100 FAMILY MEMBERS	2	0.3	22,720	22,720		*		0
4200 FARM AS BUSINESS	1	0.0	2,474	2,474		*		0
4300 SOC POLIT ORGANIZ	1	0.2	6,638	6,638		*		0
4400 AGRIC ECONOMY U S	1	0.1	9,439	9,439		*		0
TOTAL		13.5	1,627,591	1,808,483		*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	MO. STATE COL		PRINCESS ANN		1890
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	2	0.4	77,899	243,372		*		0
1200 VEGETABLES	1	0.1	6,550	13,506		*		0
2300 SOYBEANS	1	4.0	507,027	594,848		*		0
2900 POULTRY	2	0.0	31,539	145,628		*		12,198
3000 BEEF CATTLE	1	0.1	13,655	17,086		*		761
3100 DAIRY CATTLE	2	0.6	47,403	50,834		*		761
3700 CLOTHING & TEXTILES	2	0.5	90,282	91,182		*		0
3800 FOOD	1	0.3	20,828	20,828		*		0
3900 HOUSING & EQUIP	1	0.3	22,130	22,130		*		0
4100 FAMILY MEMBERS	1	0.3	16,670	17,368		*		0
4200 FARM AS BUSINESS	2	0.1	6,966	21,192		*		0
4800 MARKETING SYSTEMS	1	0.1	1,249	23,059		*		0
TOTAL		7.1	842,198	1,261,052		*		13,720

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FEO APPR/ CSRS ADMSTRO (GROSS) 1990	PRAIRIE VW A&M PRAIRIE VIEW				1890
				TOTAL FUNDS (GROSS) 1990		USOA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.4	68,846	68,846		*		0
3400 OTHER ANIMALS	5	9.0	1,264,499	1,325,997		*		61,498
3700 CLOTHING & TEXTILES	1	0.4	72,370	72,370		*		0
3800 FOOD	1	0.8	144,741	144,741		*		0
3900 HOUSING & EQUIP	1	0.4	72,370	72,370		*		0
6700 PLANTS	1	0.2	45,897	45,897		*		0
6800 ANIMALS(VERTEBRATES)	2	1.6	390,714	390,714		*		0
7000 RSCH EQUIP & TECHNOLOGY	1	0.8	152,991	152,991		*		0
TOTAL		13.6	2,212,429	2,273,927		*		61,498

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SC STATE COLL ORANGEBURG			1890
				TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	1	0.1	27,926	27,926	*		0
1200 VEGETABLES	1	1.0	98,851	98,851	*		0
2900 POULTRY	1	0.1	13,963	13,963	*		0
3000 BEEF CATTLE	1	0.1	13,963	13,963	*		0
4000 PEOPLE AS INDIVIDUALS	2	2.0	220,061	220,061	*		0
4200 FARM AS BUSINESS	2	1.5	164,405	164,405	*		0
4300 SOC POLIT ORGANIZ	5	2.5	511,739	511,739	*		0
6300 BIO CELL SYSTEMS	1	0.5	142,215	142,215	*		0
TOTAL		7.8	1,193,122	1,193,122	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SOUTHERN UNIV BATON ROUGE			1890
				TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
1000 FRUIT NUTS DECIDUOUS	2	1.4	225,008	225,008	*		0
1200 VEGETABLES	2	1.2	195,063	195,063	*		0
3200 SWINE	1	0.6	103,778	103,778	*		0
3400 OTHER ANIMALS	2	0.7	275,597	275,597	*		0
3800 FOOD	1	0.5	102,215	102,215	*		0
4000 PEOPLE AS INDIVIDUALS	1	0.4	114,788	114,788	*		0
4100 FAMILY MEMBERS	1	0.6	73,050	73,050	*		0
TOTAL		5.5	1,089,498	1,089,498	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	TEN A&M INC NASHVILLE			1890
				TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.3	39,357	39,357	*		0
0600 TIMBER FORST PRODUCT	1	0.4	73,813	73,813	*		0
1000 FRUIT NUTS DECIDUOUS	1	0.1	21,955	21,955	*		0
1200 VEGETABLES	1	0.4	121,273	121,273	*		0
1300 ORNAMENTALS TURF	5	2.1	449,384	449,384	*		0
2300 SOYBEANS	2	0.6	134,946	134,946	*		0
2900 POULTRY	1	0.4	153,980	153,980	*		0
3000 BEEF CATTLE	1	0.4	108,122	108,122	*		0
3700 CLOTHING & TEXTILES	1	0.1	32,688	32,688	*		0
3800 FOOD	1	0.1	32,688	32,688	*		0
4000 PEOPLE AS INDIVIDUALS	2	1.0	116,673	116,673	*		0
4700 OTH MARKET PROCESS	1	0.3	54,887	54,887	*		0
6600 MICROORGANISMS VIRUSES	1	0.1	22,010	22,010	*		0
TOTAL		6.5	1,361,777	1,361,777	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	VA STATE COLL PETERSBURG			1890
				TOTAL FUNDS (GROSS) 1990	USDA SYS 1990	CON/GT/CA	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	2	1.5	347,788	347,788	*		0
1200 VEGETABLES	1	3.9	289,428	289,428	*		0
2300 SOYBEANS	1	3.9	310,910	310,910	*		0
3200 SWINE	1	0.5	126,033	126,033	*		0
3400 OTHER ANIMALS	1	0.5	55,663	55,663	*		0
3700 CLOTHING & TEXTILES	1	0.4	51,683	51,683	*		0
3800 FOOD	2	1.2	153,544	153,544	*		0
3900 HOUSING & EQUIP	1	0.4	51,683	51,683	*		0
4000 PEOPLE AS INDIVIDUALS	1	0.6	84,634	84,634	*		0
TOTAL		13.1	1,471,365	1,471,365	*		0
GRAND TOTAL		154.8	23,272,731	24,967,049	*		255,010

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS AOMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	33	11.5	22,251	2,132,648	*	216,016
2900 POULTRY	86	29.5	204,988	8,643,283	*	238,291
3000 BEEF CATTLE	143	87.0	256,807	18,237,232	*	603,696
3100 DAIRY CATTLE	159	53.4	269,148	13,615,867	*	734,807
3200 SWINE	151	43.9	202,144	8,945,057	*	566,926
3300 SHEEP AND WOOL	42	23.8	87,377	5,436,484	*	265,332
3400 OTHER ANIMALS	292	105.1	182,798	25,119,291	*	113,650
4000 PEOPLE AS INDIVIDUALS	11	5.0	0	1,733,484	*	5,518
4100 FAMILY MEMBERS	2	0.0	0	75,321	*	0
6300 BIO CELL SYSTEMS	8	4.2	6,059	854,399	*	0
6500 INVERTEBRATES	2	0.3	0	257,318	*	0
6600 MICROORGANISMS VIRUSES	11	3.3	26,116	820,037	*	39,384
6800 ANIMALS(VERTEBRATES)	148	123.7	85,094	31,045,917	*	27,205
7000 RSCH EQUIP & TECHNOLOGY	3	0.6	0	239,345	*	0
TOTAL		491.3	1,322,782	114,955,665	*	2,810,823

TABLE II-C SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS AOMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	USOA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 200						
210 CONTR PESTS ANIMALS	4	1.2	0	110,998	*	0
211 CONTR DIS ANIMALS	575	320.4	1,025,805	88,286,590	*	1,844,254
212 CNTR INTER PARASITES	29	5.5	14,124	1,364,440	*	77,830
213 PROT ANMLS FROM TOXINS	48	55.9	92,559	15,005,307	*	78,636
214 PROTECT FROM POLLUTION	15	10.2	0	3,926,667	*	0
SUBTOTAL		393.2	1,132,488	88,694,004	*	2,000,720
SERIES 300						
310 ANIMAL REPRODUCTION	51	18.8	75,187	6,423,510	*	341,224
311 IMP BIO EFF ANML PR	87	29.2	62,096	10,436,006	*	23,956
312 ENV STRESS IN ANML PR	19	12.9	5,336	2,084,223	*	2,915
313 PROO MGMT SYS ANML PR	2	0.6	0	210,722	*	0
318 NON COM BIO TECH/BIMET	29	16.9	8,059	2,450,470	*	0
SUBTOTAL		78.4	148,658	21,604,931	*	368,094
SERIES 400						
409 PROO ANML PR IMP ACCP	3	0.2	2,493	75,683	*	1,671
412 MKT QUAL ANIMAL PROD	3	0.7	0	294,264	*	0
SUBTOTAL		1.0	2,493	369,947	*	1,671
SERIES 500						
511 IMP AGRIC STATISTICS	1	0.2	0	150,955	*	0
SUBTOTAL		0.2	0	150,955	*	0
SERIES 700						
701 TOX RES IN FOOD	3	1.8	16,892	452,023	*	52,369
703 FOOD CONSUMP HABITS	1	0.8	0	59,632	*	0
707 TRANS ANIML MAN DIS	9	3.6	0	1,448,092	*	5,518
708 HUMAN NUTRITION	1	2.0	0	182,146	*	182,146
709 REDUCE HAZ HLTH & SFTY	2	0.6	0	299,852	*	0
SUBTOTAL		8.8	16,892	2,441,746	*	240,033
SERIES 800						
806 ADJUSTMENT TO CHANGE	1	0.0	0	1,229	*	0
SUBTOTAL		0.0	0	1,229	*	0
SERIES 900						
904 WLOLFE AND FISH ECOL	28	9.7	22,251	1,692,854	*	200,305
SUBTOTAL		9.7	22,251	1,692,854	*	200,305
SCIENCE IN SERV OF MAN						
GRAND TOTAL		491.3	1,322,782	114,955,665	*	2,810,823

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	AUBURN	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	1	0.6	0	41,649	*	0
2900 POULTRY	4	1.9	9,740	214,522	*	0
3000 BEEF CATTLE	19	7.7	10,800	1,311,086	*	0
3100 DAIRY CATTLE	7	1.4	7,200	211,846	*	0
3200 SWINE	7	1.5	0	212,711	*	0
3300 SHEEP AND WOOL	2	0.1	0	33,502	*	0
3400 OTHER ANIMALS	8	4.0	23,539	487,994	*	0
TOTAL		17.1	51,279	2,513,291	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	CALIFORNIA	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	4	2.8	0	429,128	*	0
2900 POULTRY	2	0.5	3,378	59,188	*	0
3000 BEEF CATTLE	12	4.9	43,878	1,176,019	*	25,228
3100 DAIRY CATTLE	20	12.0	78,276	4,372,704	*	252,347
3200 SWINE	3	0.5	3,378	84,414	*	25,228
3300 SHEEP AND WOOL	4	1.1	3,378	90,904	*	25,228
3400 OTHER ANIMALS	7	15.9	0	4,092,400	*	0
6800 MICROORGANISMS VIRUSES	1	0.5	0	24,261	*	0
6800 ANIMALS(VERTEBRATES)	5	38.8	4,200	15,559,517	*	0
TOTAL		77.1	136,490	25,888,534	*	328,030

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	COLORADO	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
3000 BEEF CATTLE	4	55.3	142,417	10,709,223	*	110,989
3100 DAIRY CATTLE	2	12.8	21,123	2,475,389	*	40,805
3300 SHEEP AND WOOL	3	15.0	47,432	3,047,850	*	52,377
3400 OTHER ANIMALS	1	1.3	20,539	373,616	*	3,566
TOTAL		84.4	231,511	16,606,078	*	207,737

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	FLORIDA	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	1	0.7	0	58,224	*	0
2900 POULTRY	1	0.2	1,334	32,393	*	0
3000 BEEF CATTLE	12	1.7	12,273	425,374	*	92,853
3100 DAIRY CATTLE	8	0.8	4,536	265,213	*	92,853
3200 SWINE	5	1.2	12,172	211,440	*	0
3300 SHEEP AND WOOL	1	0.1	800	41,813	*	0
3400 OTHER ANIMALS	26	6.7	51,826	1,104,878	*	0
6800 ANIMALS(VERTEBRATES)	5	2.0	10,872	547,001	*	0
TOTAL		13.5	93,413	2,886,338	*	185,706



TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	GEDRGIA	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	4	2.8	0	660,546	*	100,305
2900 POULTRY	6	16.2	61,886	2,914,602	*	60,028
3000 BEEF CATTLE	3	1.6	5,437	306,084	*	0
3100 DAIRY CATTLE	4	2.2	5,437	303,473	*	28,636
3200 SWINE	11	4.6	21,597	664,846	*	0
3300 SHEEP AND WOOL	1	0.9	0	119,372	*	0
3400 OTHER ANIMALS	5	3.5	18,377	804,783	*	40,763
4000 PEOPLE AS INDIVIDUALS	1	0.1	0	23,033	*	0
6300 BID CELL SYSTEMS	1	1.1	0	128,958	*	0
6600 MICROORGANISMS VIRUSES	4	1.2	4,596	136,287	*	0
TOTAL		34.4	117,329	6,061,984	*	229,732

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	ILLINOIS	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
2900 POULTRY	2	0.9	0	100,787	*	30,871
3000 BEEF CATTLE	6	1.7	0	169,687	*	25,285
3100 DAIRY CATTLE	6	4.0	0	1,045,898	*	57,904
3200 SWINE	13	11.9	0	1,449,195	*	11,046
3300 SHEEP AND WOOL	3	1.1	0	539,238	*	83,402
3400 OTHER ANIMALS	5	2.4	0	300,849	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.8	0	59,632	*	0
6600 MICROORGANISMS VIRUSES	1	0.0	0	85,803	*	0
6800 ANIMALS(VERTEBRATES)	52	18.5	0	4,267,861	*	693
TOTAL		41.4	0	8,018,951	*	209,202

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	IOWA	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	2	0.2	4,296	41,919	*	0
2900 POULTRY	18	2.8	22,640	801,703	*	23,234
3000 BEEF CATTLE	31	3.3	11,892	1,354,349	*	70,935
3100 DAIRY CATTLE	23	1.9	9,631	682,232	*	63,324
3200 SWINE	63	10.8	116,551	3,251,934	*	295,837
3300 SHEEP AND WOOL	5	0.8	0	177,524	*	0
3400 OTHER ANIMALS	14	2.2	7,235	325,549	*	0
6800 ANIMALS(VERTEBRATES)	27	5.5	42,177	1,468,257	*	0
TOTAL		27.6	214,421	8,083,468	*	453,329

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GROSS) 1990	SCH VET MED	LOUISIANA	VET
				TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0800 WILDLIFE AND FISH	3	0.0	3,151	50,853	*	0
2900 POULTRY	2	0.1	0	83,163	*	29,192
3000 BEEF CATTLE	10	0.1	2,997	713,305	*	93,450
3100 DAIRY CATTLE	6	0.2	5,997	427,849	*	29,192
3200 SWINE	5	0.1	0	119,856	*	45,257
3300 SHEEP AND WOOL	2	0.0	0	85,676	*	69,342
3400 OTHER ANIMALS	14	0.1	7,630	842,865	*	0
TOTAL		0.5	19,775	2,323,567	*	266,433

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	SCH VET MED MASSACHUSETTS		VET
					USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	1	0.0	5,478	5,478	*		0
3200 SWINE	1	1.0	0	250,000	*		0
3300 SHEEP AND WOOL	1	0.5	5,318	5,318	*		0
3400 OTHER ANIMALS	3	1.4	15,954	113,021	*		0
6300 BIO CELL SYSTEMS	1	0.4	0	13,718	*		0
6800 ANIMALS(VERTEBRATES)	10	17.7	0	1,288,569	*		0
TOTAL		21.0	26,750	1,676,104	*		0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	SCH VET MED MINNESOTA		VET
					USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	1	0.7	0	118,276	*		0
2900 POULTRY	7	1.1	0	262,150	*		17,851
3000 BEEF CATTLE	4	3.1	7,490	665,535	*		81,649
3100 DAIRY CATTLE	5	5.3	30,365	1,140,787	*		24,689
3200 SWINE	15	7.4	46,244	1,772,207	*		175,161
3400 OTHER ANIMALS	9	3.6	0	1,082,328	*		0
TOTAL		21.3	84,099	5,041,284	*		299,349

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	SCH VET MED MISSOURI		VET
					USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
2900 POULTRY	1	0.1	0	8,260	*		0
3000 BEEF CATTLE	3	1.1	0	92,709	*		0
3100 DAIRY CATTLE	5	0.9	0	77,963	*		0
3200 SWINE	4	0.5	0	52,977	*		0
3400 OTHER ANIMALS	31	7.5	0	948,618	*		0
6600 MICROORGANISMS VIRUSES	1	0.2	0	6,671	*		0
6800 ANIMALS(VERTEBRATES)	13	17.0	0	2,942,115	*		5,564
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	0	161,442	*		0
TOTAL		27.7	0	4,290,756	*		5,564

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	TOTAL FUNDS (GROSS) 1990	SCH VET MED NEW YORK		VET
					USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	11	2.9	9,326	417,633	*		15,711
2900 POULTRY	18	3.9	63,707	1,523,299	*		16,141
3000 BEEF CATTLE	20	2.1	11,164	596,930	*		66,251
3100 DAIRY CATTLE	39	4.7	54,818	1,164,945	*		76,572
3200 SWINE	14	2.2	2,201	345,591	*		14,398
3300 SHEEP AND WOOL	12	3.4	1,988	948,652	*		0
3400 OTHER ANIMALS	54	20.2	11,930	7,362,567	*		13,296
4000 PEOPLE AS INDIVIDUALS	8	4.1	0	1,600,312	*		5,518
4100 FAMILY MEMBERS	1	0.0	0	74,092	*		0
6300 BIO CELL SYSTEMS	4	1.8	0	538,382	*		0
6500 INVERTEBRATES	1	0.0	0	204,671	*		0
6600 MICROORGANISMS VIRUSES	3	1.0	21,521	236,605	*		39,384
6800 ANIMALS(VERTEBRATES)	26	9.4	28,045	1,969,234	*		20,948
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	0	77,903	*		0
TOTAL		56.0	204,700	17,060,817	*		268,218

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	SCH VET MED		OHIO		VET	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
2900 POULTRY	8	0.8	18,311	47,677	*			20,185	
3000 BEEF CATTLE	1	0.5	0	127,033	*			0	
3100 DAIRY CATTLE	4	1.0	11,478	122,729	*			30,066	
3200 SWINE	5	1.0	0	156,593	*			0	
3300 SHEEP AND WOOL	1	0.0	0	5,672	*			0	
3400 OTHER ANIMALS	51	11.7	0	1,948,851	*			42,643	
4100 FAMILY MEMBERS	1	0.0	0	1,229	*			0	
TOTAL		15.0	27,789	2,409,784	*			92,874	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	SCH VET MED		OREGON		VET	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	2	0.0	0	1,132	*			0	
2900 POULTRY	4	0.1	2,820	96,469	*			40,809	
3000 BEEF CATTLE	10	0.3	8,460	217,953	*			0	
3100 DAIRY CATTLE	1	0.0	0	484	*			0	
3200 SWINE	1	0.1	0	6,877	*			0	
3300 SHEEP AND WOOL	2	0.0	8,460	43,443	*			34,983	
3400 OTHER ANIMALS	7	1.8	8,460	269,281	*			0	
6800 ANIMALS(VERTEBRATES)	4	1.6	0	192,987	*			0	
TOTAL		3.9	28,199	828,626	*			75,792	

.

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	SCH VET MED		PENNSYLVANIA		VET	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	2	0.3	0	87,810	*			0	
2900 POULTRY	13	0.9	23,171	499,051	*			0	
3000 BEEF CATTLE	6	0.8	0	246,846	*			33,456	
3100 DAIRY CATTLE	26	4.3	40,288	1,132,973	*			34,819	
3200 SWINE	3	0.3	0	105,596	*			0	
3300 SHEEP AND WOOL	5	0.6	0	297,520	*			0	
3400 OTHER ANIMALS	52	14.0	11,273	4,009,111	*			2,582	
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	50,507	*			0	
6300 BIO CELL SYSTEMS	2	0.8	8,059	173,341	*			0	
6500 INVERTEBRATES	1	0.3	0	52,647	*			0	
6800 ANIMALS(VERTEBRATES)	4	1.3	0	630,309	*			0	
TOTAL		23.6	80,791	7,285,712	*			70,857	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	SCH VET MED		TEXAS		VET	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
0800 WILDLIFE AND FISH	1	0.5	0	220,000	*			100,000	
3000 BEEF CATTLE	2	2.7	0	125,116	*			3,600	
3100 DAIRY CATTLE	3	1.7	0	211,381	*			3,600	
3200 SWINE	1	0.8	0	260,819	*			0	
3400 OTHER ANIMALS	3	8.7	0	1,046,345	*			10,800	
6600 MICROORGANISMS VIRUSES	1	0.4	0	130,409	*			0	
6800 ANIMALS(VERTEBRATES)	2	11.9	0	2,180,067	*			0	
TOTAL		26.8	0	4,174,137	*			118,000	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRO (GROSS) 1990	SCH VET MED		TUSKEGEE		VET	
				TOTAL FUNDS (GROSS) 1990		USDA CON/GT/CA SYS 1990		WITH SAES AMOUNT 1990	
3400 OTHER ANIMALS	2	0.0	6,236	6,236	*			0	
TOTAL		0.0	6,236	6,236	*			0	
GRAND TOTAL		491.3	1,322,782	114,955,665	*			2,810,823	

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY COMMODITY --

NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	TOTAL FUNDS (GROSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
0100 SOIL AND LAND	1	0.0	14,572	14,572	*	*
0200 WATER	1	1.0	233,729	233,729	*	*
0500 TIMBER FORST PRODDUCT	34	4.3	1,228,487	1,437,651	*	*
0700 RANGE	2	1.1	38,205	61,373	*	*
0800 WILDLIFE AND FISH	7	8.8	4,020,553	4,020,553	*	*
0900 CITRUS SUB TRDP FRUT	2	0.5	106,115	106,115	*	*
1000 FRUIT NUTS DECIDUOUS	2	2.3	97,326	97,326	*	*
1100 POTATOES	1	0.1	16,700	16,700	*	*
1200 VEGETABLES	4	1.2	225,488	227,659	*	*
1400 CORN	13	1.6	687,919	1,055,724	*	*
1500 GRAIN SORGHUM	2	0.2	13,523	13,523	*	*
1700 WHEAT	3	0.0	66,154	66,154	*	*
1800 OTHER SMALL GRAINS	2	0.0	22,481	22,481	*	*
2100 COTTON	1	0.0	6,115	6,115	*	*
2300 SOYBEANS	5	2.2	246,937	246,937	*	*
2600 TOBACCO	1	0.1	49,878	49,878	*	*
2900 POULTRY	17	3.4	723,450	867,004	*	*
3000 BEEF CATTLE	13	6.3	842,842	856,963	*	*
3200 SWINE	7	0.9	330,038	379,446	*	*
3400 OTHER ANIMALS	7	1.6	377,595	415,132	*	*
3800 FOOD	3	1.1	201,599	201,599	*	*
4000 PEOPLE AS INDIVIDUALS	10	0.7	701,732	791,732	*	*
4100 FAMILY MEMBERS	1	0.0	13,489	13,489	*	*
4300 SOC POLIT ORGANIZ	1	0.0	67,500	67,500	*	*
4400 AGRIC ECONOMY U S	1	0.0	436,635	436,635	*	*
4500 AGRIC ECONOMY FORGN	1	0.0	436,635	436,635	*	*
6300 BIO CELL SYSTEMS	5	0.3	125,714	151,802	*	*
6500 INVERTEBRATES	30	6.8	1,338,782	1,507,337	*	*
6600 MICROORGANISMS VIRUSES	37	9.2	1,564,679	1,953,288	*	*
6700 PLANTS	54	11.9	2,683,373	3,362,394	*	*
6800 ANIMALS(VERTEBRATES)	7	5.0	453,633	492,120	*	*
7000 RSCH EQUIP & TECHNOLOGY	1	1.0	442,503	442,503	*	*
TOTAL		71.8	17,814,359	20,052,047	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1990 BY PROBLEM AREA --

NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PRDJ	SCIENTIST YEARS 1990	REG FED APPR/ CSRS ADMSTRD (GRDSS) 1990	TOTAL FUNDS (GRDSS) 1990	USDA CON/GT/CA SYS 1990	WITH SAES AMOUNT 1990
SERIES 100						
102 SDIL PLNT WTR NUTRI	2	0.0	28,423	28,423	*	*
105 CONSERV USE OF WATER	1	0.0	5,936	5,936	*	*
109 WEATHER ADAPT & MOD	1	0.7	53,152	53,152	*	*
111 BIDL CULT MGMT FORSTS	9	1.1	281,141	281,141	*	*
112 IMPROV RANGE RESOR	2	1.1	38,205	61,373	*	*
SUBTOTAL		2.9	406,857	430,025	*	*
SERIES 200						
201 CNTRL FORST INSECTS	3	0.0	76,341	76,341	*	*
204 CNTR PESTS FRT & VEG	3	0.8	167,439	179,895	*	*
205 CNTR DISE FRT & VEG	3	2.5	170,473	182,930	*	*
206 CNTR WEEDS FRT & VEG	1	0.1	19,563	19,563	*	*
207 CNTR PESTS FLD CROPS	5	2.9	148,945	161,402	*	*
208 CNTR DIS FLD CROPS	2	0.5	31,758	44,214	*	*
209 CNTR WEEDS FLD CROPS	1	0.0	24,614	24,614	*	*
210 CNTR PESTS ANIMALS	1	0.0	14,901	14,901	*	*
211 CNTR DIS ANIMALS	18	8.6	750,088	821,223	*	*
214 PROTECT FROM POLLUTION	1	0.0	16,418	16,418	*	*
SUBTOTAL		15.5	1,420,540	1,541,500	*	*
SERIES 300						
301 GENET BREED FORST TRE	2	0.0	61,830	61,830	*	*
302 IMP FOREST ENG SYS	1	0.0	9,754	9,754	*	*
304 IMP BID EFF FRT & VEG	4	0.8	107,714	109,885	*	*
306 PRDD MGMT SYS F & V	1	0.5	100,000	100,000	*	*
307 IMP BID EFF FLD CRP	17	3.9	1,132,619	1,500,424	*	*
310 ANIMAL REPRODUCTION	17	3.7	1,084,882	1,172,937	*	*
311 IMP BID EFF ANML PR	11	4.2	587,131	687,539	*	*
318 NDN CDM BIO TECH/BIMET	114	25.1	5,748,816	7,079,773	*	*
SUBTOTAL		38.2	8,832,746	10,722,142	*	*
SERIES 400						
401 NEW IMP FOREST PRDD	18	2.6	730,015	844,179	*	*
405 PRDD FLD CRDP IMP ACPT	1	0.0	4,104	4,104	*	*
406 NEW IMP FDDD FLD CRDP	1	0.1	112,500	112,500	*	*
407 NEW IMP NON FDDD FC	1	0.0	58,974	58,974	*	*
409 PRDD ANML PR IMP ACCP	1	0.0	30,158	30,158	*	*
SUBTOTAL		2.7	935,751	1,049,915	*	*
SERIES 500						
508 DOMESTIC MKT DEVELP	1	6.3	1,948,137	1,948,137	*	*
512 IMP GRADES FRST PRDD	1	0.6	80,566	80,566	*	*
SUBTOTAL		6.9	2,028,703	2,028,703	*	*
SERIES 600						
601 FGN MKT DEVELP	1	0.0	873,269	873,269	*	*
604 PRD DVLPMT/MKTG FRGN	1	0.8	243,517	243,517	*	*
SUBTOTAL		0.8	1,116,786	1,116,786	*	*
SERIES 700						
701 TOX RES IN FDDD	2	0.7	143,303	143,303	*	*
702 FOOD PROT FROM TOX	1	0.4	58,286	58,286	*	*
708 HUMAN NUTRITION	12	1.0	771,407	861,407	*	*
SUBTOTAL		2.1	973,006	1,063,006	*	*
SERIES 900						
901 ALLEV POLLUTION	1	1.0	233,729	233,729	*	*
904 WLOLFE AND FISH ECOL	7	1.7	1,798,741	1,798,741	*	*
908 RURAL INSTITUT IMP	1	0.0	67,500	67,500	*	*
SUBTOTAL		2.7	2,099,970	2,099,970	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		71.8	17,814,359	20,052,047	*	*

## NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C SAES	G CN	CA GT	OTHER SP	FD OIS	FD OIO	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I. H.	SUPPORT YEARS SYS OTHER													
0100 SOIL AND LAND	278	188.2	239.9	30345	3569	981	0	0	0	886	0	35780	331	74	36184	
0200 WATER	298	133.1	206.3	25315	4233	738	0	0	0	66	0	30352	1106	39	31497	
0300 WATERSHEDS RIVER BAS	147	85.4	202.0	17168	447	592	0	0	0	826	0	18833	568	141	19542	
0400 AIR AND CLIMATE	11	4.9	11.3	890	16	0	0	0	0	298	0	1204	107	0	1310	
0500 RECREATION RESOURCES	20	19.2	20.3	2847	11	22	0	0	0	542	0	3222	135	180	3538	
0600 TIMBER FORST PRDDUCT	558	560.9	1429.3	105869	8372	1687	0	0	0	13055	0	126983	3076	4738	134798	
0700 RANGE	136	94.7	172.6	15898	524	47	0	0	0	306	0	16574	1448	276	18298	
0800 WILDLIFE AND FISH	108	58.1	131.7	12222	4498	2181	0	0	0	1156	8	20063	707	42	20812	
0900 CITRUS SUB TROP FRUIT	121	90.8	155.8	16433	1008	988	0	0	0	0	0	18406	210	110	18726	
1000 FRUIT NUTS DECIDUOUS	239	123.8	259.2	28491	2944	498	0	0	0	0	0	29933	87	344	30363	
1100 POTATDES	138	54.7	92.8	8843	2955	733	0	0	0	0	10	12541	0	0	12541	
1200 VEGETABLES	314	141.5	232.4	25278	4324	1825	0	0	0	0	3	31430	113	74	31617	
1300 ORNAMENTALS TURF	72	25.2	87.3	5857	672	203	0	0	0	0	0	6731	34	72	6837	
1400 CORN	292	182.9	210.0	28008	2231	1040	0	0	0	0	45	31324	54	77	31455	
1500 GRAIN SORGHUM	58	14.4	23.0	2852	322	10	0	0	0	0	27	3211	12	9	3233	
1600 RICE	50	19.2	29.8	3572	482	37	0	0	0	0	34	4125	128	45	4297	
1700 WHEAT	245	140.2	188.0	23131	2823	595	0	0	0	0	94	28443	144	112	28698	
1800 OTHER SMALL GRAINS	104	38.8	55.3	7228	692	266	0	0	0	0	32	8218	30	23	8270	
1900 PASTURE	49	17.8	29.1	3809	68	62	0	0	0	0	1	3741	1	0	3742	
2000 FORAGE CROPS	193	105.7	183.2	19150	747	310	0	0	0	0	26	20233	5	36	20275	
2100 COTTON	172	180.3	325.2	35474	1243	482	0	0	0	0	25	37224	173	18	37415	
2200 COTTONSEED	21	17.5	20.0	2938	0	81	0	0	0	0	0	3017	2	0	3019	
2300 SOYBEANS	258	150.4	205.9	26874	2682	233	0	0	0	0	25	29594	54	438	30084	
2400 PEANUTS	54	32.4	50.9	5788	101	169	0	0	0	0	0	6058	37	11	6106	
2500 OTHER OILSEED CROPS	52	20.3	28.7	4284	1282	0	0	0	0	0	0	5527	11	2	5540	
2600 TOBACCO	46	38.0	45.0	5551	955	115	0	0	0	0	0	6620	0	11	6631	
2700 SUGAR CROPS	41	44.0	99.5	9047	211	968	0	0	0	0	0	10224	0	38	10262	
2800 MISC NEW CROPS	68	19.4	33.3	3666	3380	243	0	0	0	0	11	7280	198	35	7511	
2900 POULTRY	132	108.3	181.6	21269	3341	538	0	0	0	0	0	25148	28	145	25321	
3000 BEEF CATTLE	267	185.1	277.3	34847	5137	1365	0	0	0	0	0	41348	57	10	41418	
3100 DAIRY CATTLE	197	127.7	224.4	28414	3756	380	0	0	0	0	0	32550	59	18	32624	
3200 SWINE	135	90.9	157.2	25233	3312	380	0	0	0	0	0	28925	6	0	28931	
3300 SHEEP AND WDDL	97	38.3	60.0	9598	936	461	0	0	0	0	0	10996	19	0	11015	
3400 OTHER ANIMALS	39	7.1	8.7	1473	1059	1018	0	0	0	0	0	3548	25	19	3591	
3500 BEES AND HONEY	23	28.5	40.0	4211	61	0	0	0	0	0	0	4272	72	0	4344	
3600 FARM SUPP & FACILITS	6	6.0	0.0	731	125	0	0	0	0	0	0	858	0	0	856	
3800 FOOD	73	50.4	35.0	10234	2531	632	0	0	0	0	45	13442	202	22	13665	
3900 HOUSING & EQUIP	14	7.2	20.8	1471	123	123	0	0	0	0	0	1716	0	118	1834	
4000 PEOPLE AS INDIVIDUALS	151	89.8	139.7	25816	10857	11024	0	0	0	0	0	47697	761	20	48478	
4100 FAMILY MEMBERS	9	8.6	0.0	1318	548	50	0	0	0	0	0	1914	0	0	1914	
4200 FARM AS BUSINESS	10	6.3	0.0	1027	317	0	0	0	0	0	0	1343	0	0	1343	
4300 SOC POLIT ORGANIZ	19	12.7	0.0	1983	579	72	0	0	0	0	0	2633	0	0	2633	
4400 AGRIC ECONOMY U S	45	73.0	0.0	9964	887	0	0	0	0	0	36	10886	0	0	10886	
4500 AGRIC ECONOMY FORGN	38	100.2	0.0	9507	1285	0	0	0	0	0	4	10798	0	5	10801	
4600 FARM COOPERATIVES	9	14.9	2.1	1482	35	77	0	0	0	0	0	1574	0	0	1574	
4800 MARKETING SYSTEMS	8	21.3	0.3	3267	238	0	0	0	0	0	0	3503	7	0	3510	
6100 WEEDS	78	35.3	45.6	6149	395	20	0	0	0	0	0	6565	103	1	6669	
6200 SEED RESEARCH	11	4.3	5.6	586	39	5	0	0	0	0	0	831	31	0	862	
6300 BID CELL SYSTEMS	30	12.9	15.8	1953	617	149	0	0	0	0	0	2719	10	81	2810	
6400 EXP DESIGN/STAT METHOD	1	0.0	0.0	0	6	0	0	0	0	0	0	8	0	0	6	
6500 INVERTEBRATES	122	64.8	102.9	10770	2912	1238	0	0	0	7	0	14926	29	78	15033	
6600 MICROORGANISMS VIRUSES	129	30.9	44.9	4539	3804	1670	0	0	0	0	0	10013	99	290	10402	
6700 PLANTS	311	115.8	149.3	17582	11358	3885	0	0	0	0	0	32824	836	562	34222	
6800 ANIMALS(VERTEBRATES)	53	7.7	9.6	1441	2824	377	0	0	0	0	0	4642	37	0	4679	
6900 RESEARCH ON RSCH MGMT	7	1.0	2.3	201	1114	0	0	0	0	54	0	1388	0	0	1368	
7000 RSCH EQUIP & TECHNOLOG	28	13.3	19.5	2318	306	332	0	0	0	0	0	2956	0	0	2956	
9900 UNCLASSIFIED	11	1.0	14.4	4184	0	0	0	0	0	0	0	4184	0	0	4184	
TOTAL		3800.7	6284.8	715554	107023	38876	0	0	0	16976	423	878852	11148	8311	898311	

## NATIONAL TOTAL USOA RESEARCH AGENCIES

TABLE III-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN C HOUSE	G CA SAES	OTHER CN GT	SP FO O15	SP FO O10	FORST SERV	OTHER USOA	TOTAL USOA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I. H. SUPPORT SYS	YEARS OTHER											
<b>SERIES 100</b>														
101 APPRAIS OF SOIL RESOR	29	7.7	12.2	1414	545	101	0	0	0	0	2060	60	30	2150
102 SOIL PLNT WTR NUTRI	217	165.2	252.9	30747	2187	768	0	0	103	0	33805	276	48	34129
103 MGMT OF SALINE SOILS	13	12.2	17.6	2309	80	39	0	0	0	0	2427	0	0	2427
104 ALTERN USE OF LAND	28	27.5	5.6	4094	117	4	0	0	0	0	4215	56	0	4271
105 CONSERV USE OF WATER	119	68.4	116.9	12027	1085	4	0	0	14	0	13130	907	13	14051
106 DRAIN AND IRRIGATION	28	19.5	27.1	3376	558	49	0	0	0	0	3983	165	0	4149
107 WATERSHED PROT & MGMT	153	130.1	287.9	25584	743	1181	0	0	535	0	28043	455	140	28638
108 ECON LEG PROB OF WAT	3	5.0	0.0	766	0	0	0	0	0	0	766	0	0	766
109 WEATHER ADAPT & MGT	35	8.2	13.1	1437	175	83	0	0	0	0	1695	153	50	1898
110 APPRAIS FORST & RANGS	33	45.8	355.1	13952	153	0	0	0	1053	0	15157	513	56	15727
111 BIOL CULT MGMT FORSTS	149	148.5	357.6	23219	723	307	0	0	2153	0	26403	632	1032	28066
112 IMPROV RANGE RESOR	62	46.2	80.2	8223	211	32	0	0	119	0	8585	145	20	8750
113 REMOTE SENSING	28	14.6	23.0	2609	177	514	0	0	374	0	3674	299	0	3973
114 RSCH ON MGMT OF RSCH	7	1.0	2.3	201	1114	0	0	0	54	0	1368	0	0	1368
SUBTOTAL		700.0	1551.7	129959	7868	3082	0	0	4404	0	145312	3663	1390	150364
<b>SERIES 200</b>														
201 CNTRL FORST INSECTS	98	84.5	159.8	14475	282	401	0	0	3045	0	18202	111	39	18352
202 CONTROL FOREST OIS	60	42.1	100.3	8709	232	0	0	0	1061	0	10003	222	449	10673
203 FOREST FIRE PROTECT	32	35.1	64.0	6132	0	48	0	0	644	0	6824	137	499	7461
204 CNTR PESTS FRT & VEGS	181	86.5	192.5	17530	1568	765	0	0	0	0	19864	370	124	20357
205 CNTR OISE FRT & VEG	232	95.5	158.5	13388	3664	939	0	0	0	0	17991	88	123	18202
206 CNTR WEEOS FRT & VEG	45	10.0	18.8	1716	452	101	0	0	0	0	2268	4	0	2273
207 CNTR PESTS FLO CROPS	233	164.9	261.6	28313	3813	235	0	0	0	0	32361	1197	22	33580
208 CNTR OIS FELD CROPS	229	121.2	179.8	18977	2643	546	0	0	0	0	22186	90	92	22348
209 CNTR WEEOS FLO CROPS	140	81.6	104.4	14042	1180	200	0	0	0	0	15422	128	13	15563
210 CNTR PESTS ANIMALS	64	50.5	115.5	8766	674	115	0	0	0	0	9555	49	0	9605
211 CNTR OIS ANIMALS	173	144.7	290.3	40201	7893	1567	0	0	0	0	49660	108	142	49909
212 CNTR INTER PARASITES	23	28.0	70.3	6459	574	0	0	0	0	0	7033	4	1	7037
213 PROT ANMLS FROM TOXINS	22	33.3	40.1	4962	237	30	0	0	0	0	5229	0	0	5229
214 PROTECT FROM POLLUTION	52	28.8	40.9	6469	1992	265	0	0	1448	0	10175	323	10	10508
SUBTOTAL		1006.8	1796.9	190140	25204	5210	0	0	6199	0	226753	2832	1512	231097
<b>SERIES 300</b>														
301 GENET BREED FORST TRE	32	23.3	70.3	4684	532	50	0	0	250	0	5516	330	59	5905
302 IMP FOREST ENG SYS	18	19.8	47.3	3053	525	175	0	0	172	0	3925	59	33	4017
303 ECON TIMBER PRODUCTN	22	14.4	24.6	1787	44	0	0	0	332	0	2163	231	14	2409
304 IMP BIO EFF FRT & VEGS	222	84.9	197.7	18266	3378	1228	0	0	0	0	22869	23	115	23007
305 MECH PROD FRT & VEGS	7	2.7	4.6	594	16	50	0	0	0	0	660	0	3	663
306 PROD MGMT SYS F & V	14	1.1	2.1	202	230	1056	0	0	0	0	1487	0	2	1488
307 IMP BIO EFF FLD CRP	442	248.9	425.1	46297	6383	3190	0	0	0	0	55870	227	637	56733
308 MECH PROD FELD CROPS	19	11.2	18.2	2326	116	75	0	0	0	0	2518	36	0	2554
309 PROD MGMT SYS FLD CRP	77	33.7	53.7	6150	809	40	0	0	0	0	6800	10	2	6812
310 ANIMAL REPRODUCTION	78	31.1	52.6	8320	3451	1383	0	0	0	0	13154	0	9	13163
311 IMP BIO EFF ANML PR	144	87.2	175.8	22087	2652	792	0	0	0	0	25531	71	23	25624
312 ENV STRESS IN ANML PR	21	10.5	16.8	2245	71	34	0	0	0	0	2350	0	0	2350
313 PROD MGMT SYS ANML PR	21	6.3	7.1	1293	526	73	0	0	0	0	1892	1	0	1893
314 BEES OTH POLNTNG INS	23	28.5	40.0	4211	61	0	0	0	0	0	4272	72	0	4344
316 FARM BUSINESS MGMT	6	3.9	0.0	612	99	0	0	0	0	0	711	0	0	711
318 NON COM BIO TECH/BIMET	263	112.4	166.6	18412	10152	4786	0	0	0	0	33350	182	738	34269
SUBTOTAL		717.9	1302.6	140539	28846	12929	0	0	754	0	183067	1241	1633	185941
<b>SERIES 400</b>														
401 NEW IMP FOREST PROD	105	82.0	121.2	17845	2905	863	0	0	1514	0	22927	367	2739	26033
402 PROD F & V IMP ACCEP	78	32.3	40.5	5301	792	156	0	0	0	0	6250	2	70	6322
403 NEW & IMP F & V PROD	19	21.5	18.2	3076	160	4	0	0	0	0	3240	0	0	3240
404 MKT QUAL FRTS & VEGS	99	85.3	109.0	13876	720	63	0	0	0	0	14659	80	149	14887
405 PROD FLD CROP IMP ACPT	118	82.1	118.9	14332	752	90	0	0	0	0	15173	35	137	15345
406 NEW IMP FOOD FLD CROP	29	32.9	48.6	6644	1367	454	0	0	0	0	8464	0	11	8475
407 NEW IMP NON FOOD FC	79	89.3	144.8	17415	1788	462	0	0	0	0	19663	48	23	19734
408 MKT QUAL FELD CROPS	54	47.4	54.9	7770	68	310	0	0	0	0	8148	95	3	8246
409 PROD ANML PR IMP ACCEP	17	13.2	24.2	2748	279	0	0	0	0	0	3025	0	0	3025
410 IMP MEAT MILK EGG PR	22	29.5	29.2	4946	511	0	0	0	0	0	5457	16	0	5473
411 IMP NON FOOD ANML PR	14	11.2	11.6	2100	211	743	0	0	0	0	3054	0	1	3055
412 MKT QUAL ANIMAL PROD	14	12.3	14.6	2350	52	219	0	0	0	0	2621	2	0	2624
SUBTOTAL		539.0	731.6	98201	9603	3363	0	0	1514	0	112681	645	3133	116459
<b>SERIES 500</b>														
501 IMP GRADES & STANOS	25	17.5	34.9	3628	177	152	0	0	0	0	3958	50	3	4011
502 MKTG TIMBER PRODUCTS	3	0.6	1.4	109	294	0	0	0	149	0	551	0	0	551
503 MKTG EFF AGRI PROOS	23	16.2	10.1	2649	579	0	0	0	0	15	3242	32	0	3274
506 SPLY DEMAND AND PRIC	37	70.3	0.0	10392	683	0	0	0	0	185	11261	0	15	11276
507 COMP REL IN AGRIC	7	9.3	0.0	1433	126	0	0	0	0	0	1560	0	0	1560
508 DOMESTIC MKT DEVELP	7	2.2	0.0	282	376	0	0	0	0	0	659	0	0	659
509 PERFORMANCE MKTG SYS	20	45.1	1.5	7042	327	0	0	0	0	175	7544	7	0	7551
510 GROUP ACT MKT POWER	5	6.7	0.9	658	91	77	0	0	0	0	826	0	0	826
511 IMP AGRIC STATISTICS	2	0.0	0.0	0	101	0	0	0	0	0	101	0	0	101
512 IMP GRADES FRST PROD	7	8.4	9.4	862	0	37	0	0	0	0	899	65	29	993
513 PRICE ANAL FRST PROD	13	17.6	24.9	2496	0	0	0	0	532	0	3028	108	16	3151
SUBTOTAL		194.0	83.1	29552	2755	266	0	0	681	375	33628	261	63	33952
<b>SERIES 600</b>														
601 FGN MKT DEVELP	52	108.2	1.2	11379	2882	0	0	0	0	9	14050	20	13	14083
602 EVAL FGN FOOD AIO PGM	2	7.4	0.0	341	0	0	0	0	0	4	345	0	5	350
603 TECH AID DEV CRTV	3	1.7	0.9	336	0	0	0	0	0	0	336	0	0	336
604 PRO OVLPMT/MKTG FRGN	9	4.4	5.0	843	54	0	0	0	0	0	898	0	5	901
SUBTOTAL		121.7	7.0	12899	2716	0	0	0	0	13	15628	20	23	15671
<b>SERIES 700</b>														
701 TOX RES IN FOOD	69	25.0	38.5	5466	3472	11	0	0	0	0	8949	25	5	8979
702 FOOD PROT FROM TOX	74	81.6	106.2	16009	1380	375	0	0	0	0	17784	0	9	17772
703 FOOD CONSUMP HABITS	16	11.8	10.3	1933	164	127	0	0	0	36	2259	170	0	2429
706 CONTR INSECTS AFF MAN	25	20.6	28.1	3528	145	123	0	0	0	0	3796	17	0	3813
707 TRANS ANML MAN OIS	3	0.6	0.5	226	0	0	0	0	0	0	226	0	0	226
708 HUMAN NUTRITION	143	88.1	131.4	27794	11480	11222	0	0	0	0	50497	774	30	51301
709 REDUCE HAZ HLTH & SFTY	26	16.0	31.8	3078	295	232	0	0	0	0	3605	0	0	3605
SUBTOTAL		241.6	346.8											

## NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PRDJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H. SUPPORT SYS	YEARS OTHER															
SERIES 800																		
801 RURAL HOUSING	4	5.0	17.6	1015			0	0	0	0	0	0	0	0	1015	0	118	1133
802 INDIV & FAM DEC MAKING	8	4.0	7.0	459			19	13	0	0	0	0	0	0	491	0	0	491
803 RURAL POVERTY	2	0.0	0.0	0			52	0	0	0	0	0	0	0	52	0	0	52
804 ECON POTENT RURL PED	10	6.2	0.0	928			801	0	0	0	0	0	0	0	1529	0	0	1529
805 COMMUNICAT EDUC PROC	7	1.2	0.0	210			309	50	0	0	0	0	0	0	569	0	0	569
806 ADJUSTMENT TO CHANGE	5	6.0	0.0	972			19	0	0	0	0	0	0	0	991	0	0	991
807 AGRIC ECONOMIC CHANGE	32	41.0	0.0	5596			308	0	0	0	0	0	0	0	5903	0	0	5903
808 GOVT PROGRAMS	16	15.1	0.0	2021			581	0	0	0	0	0	0	0	2602	0	0	2602
SUBTOTAL		78.5	24.6	11201			1886	63	0	0	0	0	0	0	13150	0	118	13268
SERIES 900																		
901 ALLEY POLLUTION	165	66.3	119.1	14843			6213	284	0	0	1795	0	0	0	23135	202	74	23411
902 OUTDOOR RECREATION	19	18.2	16.7	2353			11	22	0	0	460	0	0	0	2847	135	164	3146
903 MULTI USE FOREST POTEN	17	15.3	39.5	1696			0	0	0	0	166	0	0	0	1863	388	29	2279
904 WLDLFE AND FISH ECOL	93	59.2	126.1	12376			3926	1246	0	0	1003	0	0	0	18551	702	48	19301
905 TREES BEAUTIFICATION	21	7.3	64.5	3811			17	2	0	0	0	0	0	0	3830	40	0	3870
906 ORNAMENT & TURF DEV	66	24.0	60.4	4259			632	198	0	0	0	0	0	0	5088	34	79	5202
907 RURAL INCOME IMP	8	1.9	0.0	267			220	72	0	0	0	0	0	0	559	0	0	559
908 RURAL INSTITUT IMP	11	7.9	0.0	1240			192	49	0	0	0	0	0	0	1481	0	0	1481
990 UNCLASSIFIED	11	1.0	14.4	4184			0	0	0	0	0	0	0	0	4184	0	0	4184
SUBTOTAL		201.1	440.6	45029			11210	1874	0	0	3425	0	0	0	61538	1501	395	63433
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		3800.7	6284.8	715554			107023	38876	0	0	16976	423	0	0	878852	11148	8311	898311



AGRICULTURAL COOPERATIVE SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FO	SP	FO	FORST	OTHER	TOTAL USDA	OTHER FED	NON- FED	TOTAL
		I.H.	SUPPORT YEARS															
		SYS	OTHER															
4600 FARM COOPERATIVES	8	14.9	2.1	1462				0	77	0	0	0	0	0	1539	0	0	1539
TOTAL		14.9	2.1	1462				0	77	0	0	0	0	0	1539	0	0	1539

TABLE III-C SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FO	SP	FO	FORST	OTHER	TOTAL USDA	OTHER FED	NON- FED	TOTAL
		I.H.	SUPPORT YEARS															
		SYS	OTHER															
SERIES 500																		
509 PERFORMANCE MKTG SYS	5	8.2	1.2	805				0	0	0	0	0	0	0	805	0	0	805
510 GROUP ACT MKT POWER	3	6.7	0.9	658				0	77	0	0	0	0	0	734	0	0	734
SUBTOTAL		14.9	2.1	1462				0	77	0	0	0	0	0	1539	0	0	1539
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		14.9	2.1	1462				0	77	0	0	0	0	0	1539	0	0	1539

AGRICULTURAL RESEARCH SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER	SP	FO	SP	FO	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUNO	NON- FED FUND	TOTAL
		I. H.	SUPPORT YEARS															
		SYS	OTHER		SAES	CN	GT		OIS	OIO				USDA				
0100 SOIL AND LAND	188	129.5	205.9	24699	295	410	0	0	0	0	0	0	0	0	25405	213	69	25687
0200 WATER	225	113.1	193.8	22179	809	518	0	0	0	0	0	0	0	0	23306	1085	39	24430
0300 WATERSHEDS RIVER BAS	89	43.6	89.3	9286	141	592	0	0	0	0	0	0	0	0	10020	190	2	10212
0600 TIMBER FORST PRODUCT	37	21.5	57.8	4561	43	120	0	0	0	0	0	0	0	0	4724	84	0	4808
0700 RANGE	85	74.4	126.8	12477	43	47	0	0	0	0	0	0	0	0	12567	1171	6	13743
0800 WILDLIFE AND FISH	15	12.1	18.6	2458	222	743	0	0	0	0	0	0	0	0	3423	4	0	3427
0900 CITRUS SUB TROP FRUIT	94	8.6	155.8	18140	33	872	0	0	0	0	0	0	0	0	17045	210	110	17364
1000 FRUIT NUTS DECIDUOUS	206	121.8	259.2	26199	333	293	0	0	0	0	0	0	0	0	26825	87	344	27255
1100 POTATOES	106	51.7	92.8	8284	1319	421	0	0	0	0	0	0	0	0	10024	0	0	10024
1200 VEGETABLES	230	140.8	232.4	25139	210	431	0	0	0	0	0	0	0	0	25780	113	74	25967
1300 ORNAMENTALS TURF	58	24.2	87.3	5711	4	33	0	0	0	0	0	0	0	0	5747	34	72	5853
1400 CORN	246	157.7	210.0	27145	431	328	0	0	0	0	0	0	0	0	27903	52	77	28032
1500 GRAIN SORGHUM	52	13.3	23.0	2650	111	10	0	0	0	0	0	0	0	0	2770	12	9	2792
1600 RICE	41	16.7	29.8	3205	59	37	0	0	0	0	0	0	0	0	3301	127	45	3473
1700 WHEAT	201	134.7	168.0	22353	306	262	0	0	0	0	0	0	0	0	22921	143	112	23175
1800 OTHER SMALL GRAINS	91	36.9	55.3	6949	298	70	0	0	0	0	0	0	0	0	7318	30	23	7370
1900 PASTURE	43	17.4	29.1	3537	6	62	0	0	0	0	0	0	0	0	3605	1	0	3606
2000 FORAGE CROPS	169	104.6	163.2	18961	124	188	0	0	0	0	0	0	0	0	19273	5	36	19315
2100 COTTON	153	172.7	325.2	34214	267	288	0	0	0	0	0	0	0	0	34769	172	18	34959
2200 COTTONSEED	20	17.0	20.0	2864	0	81	0	0	0	0	0	0	0	0	2946	2	0	2947
2300 SOYBEANS	223	145.2	205.9	25707	352	12	0	0	0	0	0	0	0	0	26072	52	436	26560
2400 PEANUTS	51	31.7	50.9	5693	8	169	0	0	0	0	0	0	0	0	5870	37	11	5918
2500 OTHER OILSEED CROPS	39	17.8	28.7	3808	343	0	0	0	0	0	0	0	0	0	4151	10	2	4163
2600 TOBACCO	38	31.9	45.0	4980	541	0	0	0	0	0	0	0	0	0	5520	0	11	5531
2700 SUGAR CROPS	37	38.2	99.5	8203	90	966	0	0	0	0	0	0	0	0	9259	0	38	9297
2800 MISC NEW CROPS	50	17.8	33.3	3458	416	59	0	0	0	0	0	0	0	0	3934	196	35	4164
2900 POULTRY	106	103.2	181.6	20537	44	169	0	0	0	0	0	0	0	0	20749	27	145	20922
3000 BEEF CATTLE	209	154.9	277.3	33033	131	640	0	0	0	0	0	0	0	0	33803	56	10	33870
3100 DAIRY CATTLE	154	120.2	224.4	27298	133	280	0	0	0	0	0	0	0	0	27711	58	1	27769
3200 SWINE	100	84.5	157.2	24215	16	1	0	0	0	0	0	0	0	0	24232	6	0	24238
3300 SHEEP AND WOOL	78	36.1	60.0	9286	42	122	0	0	0	0	0	0	0	0	9449	19	0	9468
3400 OTHER ANIMALS	22	7.1	8.7	1473	8	547	0	0	0	0	0	0	0	0	2027	25	19	2071
3500 BEES AND HONEY	22	27.1	40.0	4015	61	0	0	0	0	0	0	0	0	0	4076	72	0	4148
3800 FOOD	46	31.0	35.0	7765	200	143	0	0	0	0	0	0	0	0	8108	202	10	8320
3900 HOUSING & EQUIP	8	2.2	3.2	456	0	123	0	0	0	0	0	0	0	0	579	0	0	579
4000 PEOPLE AS INDIVIDUALS	129	86.0	139.7	25225	9113	10855	0	0	0	0	0	0	0	0	45193	761	20	45975
6100 WEEDS	67	35.3	45.6	6149	10	20	0	0	0	0	0	0	0	0	6180	103	1	6284
6200 SEED RESEARCH	11	4.3	5.6	586	39	5	0	0	0	0	0	0	0	0	631	31	0	662
6300 BIO CELL SYSTEMS	21	12.9	15.8	1953	2	0	0	0	0	0	0	0	0	0	1955	10	81	2046
6500 INVERTEBRATES	65	63.3	101.1	10495	114	110	0	0	0	0	0	0	0	0	10720	27	78	10825
6600 MICROORGANISMS VIRUSES	57	30.9	44.9	4539	27	0	0	0	0	0	0	0	0	0	4566	99	290	4955
6700 PLANTS	164	113.5	149.3	17217	789	352	0	0	0	0	0	0	0	0	18358	836	562	19755
6800 ANIMALS(VERTEBRATES)	16	7.7	9.6	1441	0	3	0	0	0	0	0	0	0	0	1444	37	0	1481
7000 RSCH EQUIP & TECHNOLOG	22	13.3	19.5	2318	0	157	0	0	0	0	0	0	0	0	2475	0	0	2475
9900 UNCLASSIFIED	11	1.0	14.4	4184	0	0	0	0	0	0	0	0	0	0	4184	0	0	4184
TOTAL		2709.5	4539.1	533044	17333	20539	0	0	0	0	0	0	0	0	570916	6396	2786	580097

AGRICULTURAL RESEARCH SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PRD	STAFF I.H. SUPPRT SYS OTHER	YEARS	REG IN HOUSE	C	G CA SAES CN	OTHER GT	SP O15	FD O10	FD SERV	OTHER USDA	TOTAL USDA APPR	OTHER FUND	NON- FED FUND	TOTAL
SERIES 100															
101 APPRAIS OF SDIL RESDR	18	7.7	12.2	1414		12	5	0	0	0	0	1431	60	30	1521
102 SDIL PLNT WTR NUTRI	158	140.4	219.8	27282		159	193	0	0	0	0	27634	167	37	27838
103 MGMT OF SALINE SDILS	12	12.2	17.6	2309		20	39	0	0	0	0	2367	0	0	2367
104 ALTERN USE OF LAND	6	1.0	2.3	210		2	4	0	0	0	0	215	22	0	237
105 CONSERV USE OF WATER	105	85.1	113.6	11446		341	4	0	0	0	0	11790	887	13	12691
106 DRAIN AND IRRIGATION	18	19.5	27.1	3376		58	0	0	0	0	0	3434	165	0	3600
107 WATERSHED PRDT & MGMT	96	86.3	158.8	17172		286	1181	0	0	0	0	18639	130	0	18769
109 WEATHER ADAPT & MGD	31	6.4	8.6	1198		159	83	0	0	0	0	1441	153	48	1641
110 APPRAIS FDRST & RANGS	1	0.5	0.0	0		0	0	0	0	0	0	0	27	0	27
112 IMPROV RANGE RESOR	38	38.5	63.1	6824		43	32	0	0	0	0	8700	33	5	8733
113 REMOTE SENSING	22	14.8	23.0	2809		60	367	0	0	0	0	3036	299	0	3335
SUBTOTAL		390.2	646.1	73640		1139	1907	0	0	0	0	76686	1944	133	78763
SERIES 200															
201 CNTRL FDRST INSECTS	28	15.5	20.5	2347		94	135	0	0	0	0	2576	47	0	2622
202 CONTRL FDRST DIS	3	0.9	1.9	133		0	0	0	0	0	0	133	0	0	133
204 CNTR PESTS FRT & VEGS	137	86.5	192.5	17530		192	669	0	0	0	0	18392	370	124	18886
205 CNTR DISE FRT & VEG	171	95.5	158.5	13388		996	614	0	0	0	0	14998	88	123	15209
206 CNTR WEEDS FRT & VEG	29	10.0	18.8	1716		25	1	0	0	0	0	1742	4	0	1746
207 CNTR PESTS FLD CRDPS	173	164.9	261.3	28311		334	210	0	0	0	0	28855	1176	22	30052
208 CNTR DIS FLD CRDPS	175	120.4	177.8	18870		114	121	0	0	0	0	19104	63	92	19260
209 CNTR WEEDS FLD CRDPS	114	81.8	104.4	14042		59	34	0	0	0	0	14135	128	13	14276
210 CNTR PESTS ANIMALS	57	50.5	115.5	8766		29	115	0	0	0	0	8910	49	0	8960
211 CNTR DIS ANIMALS	111	144.7	290.3	40201		234	987	0	0	0	0	41421	108	142	41670
212 CNTR INTER PARASITES	23	28.0	70.3	6459		0	0	0	0	0	0	6459	4	1	6463
213 PRDT ANMLS FRDM TOXINS	18	33.3	40.1	4962		23	30	0	0	0	0	5014	0	0	5014
214 PROTECT FROM POLLUTDN	28	16.8	22.3	2577		519	0	0	0	0	0	3095	305	10	3410
SUBTOTAL		848.7	1474.3	159301		2618	2915	0	0	0	0	164834	2342	526	167701
SERIES 300															
304 IMP BID EFF FRT & VEGS	172	84.9	197.7	18266		509	578	0	0	0	0	19353	23	115	19490
305 MECH PRD FRT & VEGS	5	2.7	4.6	594		0	0	0	0	0	0	594	0	3	596
306 PRD MGMT SYS F & V	7	1.1	2.1	202		2	0	0	0	0	0	203	0	2	205
307 IMP BID EFF FLD CRP	357	246.9	425.1	46297		1162	1269	0	0	0	0	48727	227	637	49590
308 MECH PRD FLD CRDPS	16	11.2	18.2	2326		57	50	0	0	0	0	2433	36	0	2470
309 PRD MGMT SYS FLD CRP	67	33.7	53.7	6150		47	40	0	0	0	0	6238	10	2	6250
310 ANIMAL REPRDUCTION	44	31.1	52.6	8320		28	89	0	0	0	0	8437	0	9	8445
311 IMP BID EFF ANML PR	116	87.2	175.8	22087		16	429	0	0	0	0	22531	71	23	22625
312 ENV STRESS IN ANML PR	19	10.5	16.8	2245		5	34	0	0	0	0	2284	0	0	2284
313 PRD MGMT SYS ANML PR	15	6.3	7.1	1293		3	24	0	0	0	0	1321	1	0	1322
314 BEES DTH POLLNTNG INS	22	27.1	40.0	4015		61	0	0	0	0	0	4076	72	0	4148
318 NDN CDM BID TECH/BIMET	129	112.4	166.6	18412		192	7	0	0	0	0	18811	182	738	19530
SUBTOTAL		655.1	1160.3	130206		2082	2519	0	0	0	0	134808	621	1527	136955
SERIES 400															
402 PRD F & V IMP ACCEPT	61	32.3	40.5	5301		65	54	0	0	0	0	5420	2	70	5492
403 NEW & IMP F & V PRDD	15	21.5	18.2	3076		18	4	0	0	0	0	3098	0	0	3098
404 MKT QAL FRTS & VEGS	91	85.3	109.0	13876		168	63	0	0	0	0	14107	80	149	14336
405 PRDD FLD CRDP IMP ACPT	112	82.1	116.9	14332		523	90	0	0	0	0	14945	35	137	15116
406 NEW IMP FDDO FLD CRDP	21	32.9	46.6	6844		0	0	0	0	0	0	6844	0	11	6855
407 NEW IMP NON FDDO FC	63	89.3	144.8	17415		113	276	0	0	0	0	17806	48	23	17877
408 MKT QAL FLD CRDPS	50	47.4	54.9	7770		55	40	0	0	0	0	7865	95	3	7963
409 PRDD ANML PR IMP ACCT	14	13.2	24.2	2746		2	0	0	0	0	0	2748	0	0	2748
410 IMP MEAT MILK EGG PR	19	29.5	29.2	4946		0	0	0	0	0	0	4946	16	0	4963
411 IMP NDN FDDO ANML PR	12	11.2	11.6	2100		0	743	0	0	0	0	2842	0	1	2844
412 MKT QAL ANIMAL PRDD	12	12.3	14.6	2350		45	28	0	0	0	0	2422	2	0	2425
SUBTOTAL		457.0	610.5	80556		989	1300	0	0	0	0	82844	278	393	83516
SERIES 500															
501 IMP GRADES & STANOS	24	17.5	34.9	3628		124	152	0	0	0	0	3905	50	3	3958
503 MKTG EFF AGRI PRDPS	12	5.6	10.1	1057		15	0	0	0	0	0	1072	32	0	1103
SUBTOTAL		23.0	45.0	4685		139	152	0	0	0	0	4976	81	3	5061
SERIES 600															
601 FGN MKT DEVELP	7	0.9	1.2	230		46	0	0	0	0	0	275	8	1	284
603 TECH AID DEV CRTY	1	0.3	0.9	121		0	0	0	0	0	0	121	0	0	121
604 PRD DVLPMT/MKTG FRGN	6	3.4	5.0	723		0	0	0	0	0	0	723	0	5	728
SUBTOTAL		4.7	7.0	1074		46	0	0	0	0	0	1119	8	6	1133
SERIES 700															
701 TDY RES IN FDDO	28	23.8	38.5	5444		96	11	0	0	0	0	5550	25	5	5580
702 FDDO PROT FRDM TDY	65	80.0	106.2	15764		236	206	0	0	0	0	16206	0	9	16214
703 FDDO CONSUMP HABITS	11	6.7	10.3	1199		0	127	0	0	0	0	1325	170	0	1495
706 CNTR INSECTS AFF MAN	20	20.6	28.1	3528		0	123	0	0	0	0	3651	17	0	3668
707 TRANS ANML MAN DIS	3	0.6	0.5	226		0	0	0	0	0	0	226	0	0	226
708 HUMAN NUTRITDN	122	85.5	131.4	27696		9228	10961	0	0	0	0	47885	774	30	48688
709 REDUCE HAZ HLTH & SFTY	25	16.0	31.8	3078		292	232	0	0	0	0	3602	0	0	3602
SUBTOTAL		233.2	346.8	56936		9851	11659	0	0	0	0	78446	985	44	79475
SERIES 800															
802 INDIV & FAM DEC MAKING	7	4.0	7.0	459		0	13	0	0	0	0	472	0	0	472
SUBTOTAL		4.0	7.0	459		0	13	0	0	0	0	472	0	0	472
SERIES 900															
901 ALLEV POLLUTION	89	52.3	87.2	11992		450	45	0	0	0	0	12487	58	74	12619
904 WDLFE AND FISH ECDL	10	11.1	17.3	2270		0	0	0	0	0	0	2270	4	0	2274
905 TREES BEAUTIFICATION	17	6.2	82.8	3630		13	2	0	0	0	0	3646	40	0	3685
906 DRNAMENT & TURF DEV	54	23.0	80.4	4113		5	28	0	0	0	0	4145	34	79	4259
990 UNCLASSIFIED	11	1.0	14.4	4184		0	0	0	0	0	0	4184	0	0	4184
SUBTOTAL		93.6	242.1	26188		468	75	0	0	0	0	26731	136	154	27020
SCIENCE IN SERV OF MAN															
GRAND TOTAL		2709.5	4539.1	533044		17333	20539	0	0	0	0	570916	6396	2786	580097

CSRS SPECIAL GRANTS

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN	GT	SP	FD	SP	FD	FORST SERV	OTHER USOA	TOTAL USDA APPR	OTHER FEO FUND	NON- FEO FUND	TOTAL
		I.H.	SUPPORT YEARS																
		SYS	OTHER																
0100 SOIL AND LAND	48	0.0	0.0	0		3274	96	0	0	0	0	0	0	0	0	3370	0	0	3370
0200 WATER	49	0.0	0.0	0		3624	48	0	0	0	0	0	0	0	0	3671	0	0	3671
0300 WATERSHEDS RIVER BAS		0.0	0.0	0		305	0	0	0	0	0	0	0	0	0	305	0	0	305
0400 AIR AND CLIMATE	1	0.0	0.0	0		16	0	0	0	0	0	0	0	0	0	16	0	0	16
0500 RECREATION RESOURCES	1	0.0	0.0	0		11	0	0	0	0	0	0	0	0	0	11	0	0	11
0600 TIMBER FORST PRODUCT	21	0.0	0.0	0		3684	179	0	0	0	0	0	0	0	0	3864	0	0	3864
0700 RANGE	15	0.0	0.0	0		481	0	0	0	0	0	0	0	0	0	481	0	0	481
0800 WILDLIFE AND FISH	24	0.0	0.0	0		4276	972	0	0	0	0	0	0	0	0	5248	0	0	5248
0900 CITRUS SUB TROP FRUT	25	0.0	0.0	0		923	96	0	0	0	0	0	0	0	0	1019	0	0	1019
1000 FRUIT NUTS DECIDUOUS	27	0.0	0.0	0		2323	0	0	0	0	0	0	0	0	0	2323	0	0	2323
1100 POTATOES	29	0.0	0.0	0		1636	0	0	0	0	0	0	0	0	0	1636	0	0	1636
1200 VEGETABLES	65	0.0	0.0	0		2803	956	0	0	0	0	0	0	0	0	3759	0	0	3759
1300 ORNAMENTALS TURF	10	0.0	0.0	0		524	0	0	0	0	0	0	0	0	0	524	0	0	524
1400 CORN	20	0.0	0.0	0		812	0	0	0	0	0	0	0	0	0	812	0	0	812
1500 GRAIN SORGHUM	3	0.0	0.0	0		199	0	0	0	0	0	0	0	0	0	199	0	0	199
1600 RICE	4	0.0	0.0	0		282	0	0	0	0	0	0	0	0	0	282	0	0	282
1700 WHEAT	32	0.0	0.0	0		1806	0	0	0	0	0	0	0	0	0	1806	0	0	1806
1800 OTHER SMALL GRAINS	6	0.0	0.0	0		258	0	0	0	0	0	0	0	0	0	258	0	0	258
1900 PASTURE	5	0.0	0.0	0		62	0	0	0	0	0	0	0	0	0	62	0	0	62
2000 FORAGE CROPS	20	0.0	0.0	0		623	0	0	0	0	0	0	0	0	0	623	0	0	623
2100 COTTON	11	0.0	0.0	0		766	0	0	0	0	0	0	0	0	0	766	0	0	766
2300 SOYBEANS	21	0.0	0.0	0		1737	0	0	0	0	0	0	0	0	0	1737	0	0	1737
2400 PEANUTS	2	0.0	0.0	0		93	0	0	0	0	0	0	0	0	0	93	0	0	93
2500 OTHER DILSEED CROPS	10	0.0	0.0	0		920	0	0	0	0	0	0	0	0	0	920	0	0	920
2600 TOBACCO	2	0.0	0.0	0		74	0	0	0	0	0	0	0	0	0	74	0	0	74
2700 SUGAR CROPS	2	0.0	0.0	0		121	0	0	0	0	0	0	0	0	0	121	0	0	121
2800 MISC NEW CROPS	15	0.0	0.0	0		2944	59	0	0	0	0	0	0	0	0	3003	0	0	3003
2900 POULTRY	12	0.0	0.0	0		1893	0	0	0	0	0	0	0	0	0	1893	0	0	1893
3000 BEEF CATTLE	37	0.0	0.0	0		2713	0	0	0	0	0	0	0	0	0	2713	0	0	2713
3100 DAIRY CATTLE	29	0.0	0.0	0		2277	0	0	0	0	0	0	0	0	0	2277	0	0	2277
3200 SWINE	20	0.0	0.0	0		1797	0	0	0	0	0	0	0	0	0	1797	0	0	1797
3300 SHEEP AND WOOL	11	0.0	0.0	0		450	0	0	0	0	0	0	0	0	0	450	0	0	450
3400 OTHER ANIMALS	13	0.0	0.0	0		1051	0	0	0	0	0	0	0	0	0	1051	0	0	1051
3600 FARM SUPP & FACILITS	4	0.0	0.0	0		125	0	0	0	0	0	0	0	0	0	125	0	0	125
3800 FOOD	14	0.0	0.0	0		2002	0	0	0	0	0	0	0	0	0	2002	0	0	2002
3900 HOUSING & EQUIP	2	0.0	0.0	0		123	0	0	0	0	0	0	0	0	0	123	0	0	123
4000 PEOPLE AS INDIVIDUALS	9	0.0	0.0	0		1337	0	0	0	0	0	0	0	0	0	1337	0	0	1337
4100 FAMILY MEMBERS	2	0.0	0.0	0		546	0	0	0	0	0	0	0	0	0	546	0	0	546
4200 FARM AS BUSINESS	5	0.0	0.0	0		317	0	0	0	0	0	0	0	0	0	317	0	0	317
4300 SOC POLIT ORGANIZ	7	0.0	0.0	0		579	0	0	0	0	0	0	0	0	0	579	0	0	579
4400 AGRIC ECONOMY U S	4	0.0	0.0	0		887	0	0	0	0	0	0	0	0	0	887	0	0	887
4500 AGRIC ECONOMY FORGN	3	0.0	0.0	0		1285	0	0	0	0	0	0	0	0	0	1285	0	0	1285
4600 FARM COOPERATIVES	1	0.0	0.0	0		35	0	0	0	0	0	0	0	0	0	35	0	0	35
4800 MARKETING SYSTEMS	4	0.0	0.0	0		236	0	0	0	0	0	0	0	0	0	236	0	0	236
6100 WEEOS	9	0.0	0.0	0		210	0	0	0	0	0	0	0	0	0	210	0	0	210
6300 BIO CELL SYSTEMS	4	0.0	0.0	0		339	0	0	0	0	0	0	0	0	0	339	0	0	339
6400 EXP DESIGN/STAT METHOD	1	0.0	0.0	0		6	0	0	0	0	0	0	0	0	0	6	0	0	6
6500 INVERTEBRATES	10	0.0	0.0	0		221	0	0	0	0	0	0	0	0	0	221	0	0	221
6600 MICROORGANISMS VIRUSES	13	0.0	0.0	0		554	0	0	0	0	0	0	0	0	0	554	0	0	554
6700 PLANTS	52	0.0	0.0	0		5773	0	0	0	0	0	0	0	0	0	5773	0	0	5773
6800 ANIMALS(VERTEBRATES)	24	0.0	0.0	0		1322	0	0	0	0	0	0	0	0	0	1322	0	0	1322
6900 RESEARCH ON RSCH MGMT	3	0.0	0.0	0		1114	0	0	0	0	0	0	0	0	0	1114	0	0	1114
7000 RSCH EQUIP & TECHNOLOG	5	0.0	0.0	0		306	0	0	0	0	0	0	0	0	0	306	0	0	306
TOTAL		0.0	0.0	0		62071	2404	0	0	0	0	0	0	0	0	64475	0	0	64475

## CSRS SPECIAL GRANTS

TABLE III-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

- - IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PRD	-----STAFF----- I.H. SUPPORT YEARS		REG IN	C	G	CA	OTHER	SP	FD	SP	FD	FORST	OTHER	TOTAL	OTHER	NON-	TOTAL
		SYS	OTHER	HOUSE	IN	SA	CA	CN	GT	015	010	010	SERV	USDA	APPR	FUND	FUND	
SERIES 100																		
101 APPRAIS OF SOIL RESOR	11	0.0	0.0	0	533	96	0	0	0	0	0	0	0	0	629	0	0	629
102 SOIL PLNT WTR NUTRI	27	0.0	0.0	0	1735	0	0	0	0	0	0	0	0	0	1735	0	0	1735
104 ALTERN USE OF LAND	4	0.0	0.0	0	115	0	0	0	0	0	0	0	0	0	115	0	0	115
105 CONSERV USE OF WATER	8	0.0	0.0	0	582	0	0	0	0	0	0	0	0	0	582	0	0	582
106 DRAIN AND IRRIGATION	9	0.0	0.0	0	500	0	0	0	0	0	0	0	0	0	500	0	0	500
107 WATERSHED PROT & MGMT	7	0.0	0.0	0	457	0	0	0	0	0	0	0	0	0	457	0	0	457
109 WEATHER ADAPT & MOD	1	0.0	0.0	0	16	0	0	0	0	0	0	0	0	0	16	0	0	16
110 APPRAIS FORST & RANGS	1	0.0	0.0	0	72	0	0	0	0	0	0	0	0	0	72	0	0	72
111 BIOL CULT MGMT FORSTS	3	0.0	0.0	0	190	0	0	0	0	0	0	0	0	0	190	0	0	190
112 IMPROV RANGE RESOR	7	0.0	0.0	0	167	0	0	0	0	0	0	0	0	0	167	0	0	167
113 REMOTE SENSING	2	0.0	0.0	0	117	28	0	0	0	0	0	0	0	0	145	0	0	145
114 RSCH DN MGMT DF RSCH	3	0.0	0.0	0	1114	0	0	0	0	0	0	0	0	0	1114	0	0	1114
SUBTOTAL		0.0	0.0	0	5598	124	0	0	0	0	0	0	0	0	5722	0	0	5722
SERIES 200																		
201 CNTRL FORST INSECTS	1	0.0	0.0	0	0	96	0	0	0	0	0	0	0	0	96	0	0	96
202 CONTROL FOREST OIS	2	0.0	0.0	0	39	0	0	0	0	0	0	0	0	0	39	0	0	39
204 CNTR PESTS FRT & VEGS	41	0.0	0.0	0	1136	96	0	0	0	0	0	0	0	0	1231	0	0	1231
205 CNTR DISE FRT & VEG	46	0.0	0.0	0	1775	0	0	0	0	0	0	0	0	0	1775	0	0	1775
206 CNTR WEEDS FRT & VEG	14	0.0	0.0	0	322	0	0	0	0	0	0	0	0	0	322	0	0	322
207 CNTR PESTS FLD CROPS	45	0.0	0.0	0	2465	0	0	0	0	0	0	0	0	0	2465	0	0	2465
208 CNTR DIS FIELD CROPS	30	0.0	0.0	0	1259	0	0	0	0	0	0	0	0	0	1259	0	0	1259
209 CNTR WEEDS FLD CROPS	22	0.0	0.0	0	960	0	0	0	0	0	0	0	0	0	960	0	0	960
210 CNTR PESTS ANIMALS	7	0.0	0.0	0	645	0	0	0	0	0	0	0	0	0	645	0	0	645
211 CNTR DIS ANIMALS	44	0.0	0.0	0	4770	0	0	0	0	0	0	0	0	0	4770	0	0	4770
212 CNTR INTER PARASITES	4	0.0	0.0	0	349	0	0	0	0	0	0	0	0	0	349	0	0	349
213 PROT ANMLS FROM TOXINS	4	0.0	0.0	0	214	0	0	0	0	0	0	0	0	0	214	0	0	214
214 PROTECT FROM POLLUTION	13	0.0	0.0	0	1214	0	0	0	0	0	0	0	0	0	1214	0	0	1214
SUBTOTAL		0.0	0.0	0	15147	192	0	0	0	0	0	0	0	0	15339	0	0	15339
SERIES 300																		
301 GENET BREEO FORST TRE	1	0.0	0.0	0	23	0	0	0	0	0	0	0	0	0	23	0	0	23
302 IMP FOREST ENG SYS	2	0.0	0.0	0	525	0	0	0	0	0	0	0	0	0	525	0	0	525
303 ECON TIMBER PRODUCTN	1	0.0	0.0	0	44	0	0	0	0	0	0	0	0	0	44	0	0	44
304 IMP BID EFF FRT & VEGS	34	0.0	0.0	0	2072	0	0	0	0	0	0	0	0	0	2072	0	0	2072
305 MECH PROD FRT & VEGS	1	0.0	0.0	0	16	0	0	0	0	0	0	0	0	0	16	0	0	16
306 PROD MGMT SYS F & V	5	0.0	0.0	0	228	958	0	0	0	0	0	0	0	0	1184	0	0	1184
307 IMP BID EFF FLD CRP	28	0.0	0.0	0	1734	8	0	0	0	0	0	0	0	0	1740	0	0	1740
308 MECH PROD FIELD CROPS	2	0.0	0.0	0	59	0	0	0	0	0	0	0	0	0	59	0	0	59
309 PROD MGMT SYS FLD CRP	10	0.0	0.0	0	562	0	0	0	0	0	0	0	0	0	562	0	0	562
310 ANIMAL REPRODUCTION	6	0.0	0.0	0	453	0	0	0	0	0	0	0	0	0	453	0	0	453
311 IMP BID EFF ANML PR	12	0.0	0.0	0	869	0	0	0	0	0	0	0	0	0	869	0	0	869
312 ENV STRESS IN ANML PR	2	0.0	0.0	0	66	0	0	0	0	0	0	0	0	0	66	0	0	66
313 PROD MGMT SYS ANML PR	5	0.0	0.0	0	522	0	0	0	0	0	0	0	0	0	522	0	0	522
316 FARM BUSINESS MGMT	3	0.0	0.0	0	99	0	0	0	0	0	0	0	0	0	99	0	0	99
318 NON COM BID TECH/BIMET	10	0.0	0.0	0	2900	0	0	0	0	0	0	0	0	0	2900	0	0	2900
SUBTOTAL		0.0	0.0	0	10173	962	0	0	0	0	0	0	0	0	11135	0	0	11135
SERIES 400																		
401 NEW IMP FOREST PROD	8	0.0	0.0	0	1757	0	0	0	0	0	0	0	0	0	1757	0	0	1757
402 PROD F & V IMP ACCEPT	14	0.0	0.0	0	588	0	0	0	0	0	0	0	0	0	588	0	0	588
403 NEW & IMP F & V PROD	4	0.0	0.0	0	142	0	0	0	0	0	0	0	0	0	142	0	0	142
404 MKT QUAL FRTS & VEGS	8	0.0	0.0	0	552	0	0	0	0	0	0	0	0	0	552	0	0	552
405 PROD FLD CRDP IMP ACPT	5	0.0	0.0	0	228	0	0	0	0	0	0	0	0	0	228	0	0	228
406 NEW IMP FDOO FLD CRDP	5	0.0	0.0	0	1367	0	0	0	0	0	0	0	0	0	1367	0	0	1367
407 NEW IMP NON FDOO FC	14	0.0	0.0	0	1673	53	0	0	0	0	0	0	0	0	1727	0	0	1727
408 MKT QUAL FIELD CROPS	2	0.0	0.0	0	13	0	0	0	0	0	0	0	0	0	13	0	0	13
409 PROD ANML PR IMP ACCP	3	0.0	0.0	0	277	0	0	0	0	0	0	0	0	0	277	0	0	277
410 IMP MEAT MILK EGG PR	3	0.0	0.0	0	511	0	0	0	0	0	0	0	0	0	511	0	0	511
411 IMP NON FDOO ANML PR	2	0.0	0.0	0	211	0	0	0	0	0	0	0	0	0	211	0	0	211
412 MKT QUAL ANIMAL PROD	2	0.0	0.0	0	7	192	0	0	0	0	0	0	0	0	199	0	0	199
SUBTOTAL		0.0	0.0	0	7326	245	0	0	0	0	0	0	0	0	7571	0	0	7571
SERIES 500																		
501 IMP GRADES & STANOS	1	0.0	0.0	0	53	0	0	0	0	0	0	0	0	0	53	0	0	53
502 MKTG TIMBER PRODUCTS	1	0.0	0.0	0	294	0	0	0	0	0	0	0	0	0	294	0	0	294
503 MKTG EFF AGRI PRODS	5	0.0	0.0	0	564	0	0	0	0	0	0	0	0	0	564	0	0	564
506 SPLY DEMAND AND PRIC	5	0.0	0.0	0	683	0	0	0	0	0	0	0	0	0	683	0	0	683
507 COMP REL IN AGRIC	2	0.0	0.0	0	126	0	0	0	0	0	0	0	0	0	126	0	0	126
508 DOMESTIC MKT DEVLP	4	0.0	0.0	0	376	0	0	0	0	0	0	0	0	0	376	0	0	376
509 PERFORMANCE MKTG SYS	4	0.0	0.0	0	327	0	0	0	0	0	0	0	0	0	327	0	0	327
510 GROUP ACT MKT PDWER	2	0.0	0.0	0	91	0	0	0	0	0	0	0	0	0	91	0	0	91
511 IMP AGRIC STATISTICS	2	0.0	0.0	0	101	0	0	0	0	0	0	0	0	0	101	0	0	101
512 IMP GRADES FRST PROD	1	0.0	0.0	0	0	37	0	0	0	0	0	0	0	0	37	0	0	37
SUBTOTAL		0.0	0.0	0	2616	37	0	0	0	0	0	0	0	0	2653	0	0	2653
SERIES 600																		
601 FGN MKT DEVLP	9	0.0	0.0	0	2616	0	0	0	0	0	0	0	0	0	2616	0	0	2616
604 PRD DVLPMNT/MKTG FRGN	2	0.0	0.0	0	54	0	0	0	0	0	0	0	0	0	54	0	0	54
SUBTOTAL		0.0	0.0	0	2670	0	0	0	0	0	0	0	0	0	2670	0	0	2670
SERIES 700																		
701 TOX RES IN FDOO	40	0.0	0.0	0	3376	0	0	0	0	0	0	0	0	0	3376	0	0	3376
702 FDOO PROT FROM TOX	4	0.0	0.0	0	1145	0	0	0	0	0	0	0	0	0	1145	0	0	1145
703 FDOO CONSUMP HABITS	2	0.0	0.0	0	164	0	0	0	0	0	0	0	0	0	164	0	0	164
706 CONTR INSECTS AFF MAN	5	0.0	0.0	0	145	0	0	0	0	0	0	0	0	0	145	0	0	145
708 HUMAN NUTRITION	5	0.0	0.0	0	1223	0	0	0	0	0	0	0	0	0	1223	0	0	1223
709 REDUCE HAZ HLTH & SFTY	1	0.0	0.0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	3
SUBTOTAL		0.0	0.0	0	6056	0	0	0	0	0	0	0	0	0	6056	0	0	6056
SERIES 800																		
802 INDIV & FAM DEC MAKING	1	0.0	0.0	0	19	0	0	0	0	0	0	0	0	0	19	0	0	19
803 RURAL POVERTY	2	0.0	0.0	0	52	0	0	0	0	0	0	0	0	0	52	0	0	52
804 ECON POTENT RURL PED	3	0.0	0.0	0	601	0	0	0	0	0	0	0	0	0	601	0	0	601
805 COMMUNICAT EDUC PRODC	4	0.0	0.0	0	309	0	0	0	0	0	0	0	0	0	309	0	0	309
806 ADJUSTMENT TO CHANGE	1	0.0	0.0	0	19	0	0	0	0	0	0	0	0	0	19	0	0	19
807 AGRIC ECONDMIC CHANGE	4	0.0	0.0	0	308	0	0	0	0	0	0	0	0	0	308	0	0	308
808 GOVT PROGRAMS	5	0.0	0.0	0	581	0	0	0	0	0	0	0	0	0	581	0	0	581
SUBTOTAL		0.0	0.0	0	1886	0	0	0	0	0	0	0	0	0	1886	0	0	1886
SERIES 900																		
901 ALLEY POLLUTION	48	0.0	0.0	0	5763	65	0	0	0	0	0	0	0	0	5828	0	0	5828
902 OUTDOOR RECREATION	1	0.0	0.0	0	11	0	0	0	0	0	0	0	0	0	11	0	0	11
904 WDLFE AND FISH ECOL	21	0																

## COMPETITIVE RESEARCH GRANTS OFFICE

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----			REG IN C HOUSE	G CA SAES	OTHER CN GT	SP FO O15	SP FO O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT SYS	YEARS OTHER											
0800 TIMBER FORST PRODUCT	41	0.0	0.0		0	2845	780	0	0	0	0	3404	0	0	3404
0900 CITRUS SUB TROP FRUIT	1	0.0	0.0		0	50	0	0	0	0	0	50	0	0	50
1000 FRUIT NUTS DECIDUOUS	4	0.0	0.0		0	288	0	0	0	0	0	288	0	0	288
1100 POTATOES	1	0.0	0.0		0	0	102	0	0	0	0	102	0	0	102
1200 VEGETABLES	18	0.0	0.0		0	1311	438	0	0	0	0	1749	0	0	1749
1300 ORNAMENTALS TURF	3	0.0	0.0		0	144	170	0	0	0	0	314	0	0	314
1400 CORN	19	0.0	0.0		0	988	563	0	0	0	0	1551	0	0	1551
1500 GRAIN SORGHUM	1	0.0	0.0		0	12	0	0	0	0	0	12	0	0	12
1600 RICE	2	0.0	0.0		0	140	0	0	0	0	0	140	0	0	140
1700 WHEAT	6	0.0	0.0		0	511	89	0	0	0	0	579	0	0	579
1800 OTHER SMALL GRAINS	4	0.0	0.0		0	136	196	0	0	0	0	331	0	0	331
2000 FORAGE CROPS	1	0.0	0.0		0	0	72	0	0	0	0	72	0	0	72
2100 COTTON	4	0.0	0.0		0	210	194	0	0	0	0	404	0	0	404
2300 SOYBEANS	10	0.0	0.0		0	573	221	0	0	0	0	794	0	0	794
2600 TOBACCO	5	0.0	0.0		0	340	115	0	0	0	0	455	0	0	455
2800 MISC NEW CROPS	1	0.0	0.0		0	0	100	0	0	0	0	100	0	0	100
2900 POULTRY	10	0.0	0.0		0	1404	270	0	0	0	0	1874	0	0	1874
3000 BEEF CATTLE	18	0.0	0.0		0	2293	725	0	0	0	0	3018	0	0	3018
3100 DAIRY CATTLE	8	0.0	0.0		0	1345	0	0	0	0	0	1345	0	0	1345
3200 SWINE	11	0.0	0.0		0	1499	150	0	0	0	0	1649	0	0	1649
3300 SHEEP AND WOOL	6	0.0	0.0		0	445	339	0	0	0	0	784	0	0	784
3400 OTHER ANIMALS	3	0.0	0.0		0	0	444	0	0	0	0	444	0	0	444
3800 FOOD	3	0.0	0.0		0	329	0	0	0	0	0	329	0	0	329
4000 PEOPLE AS INDIVIDUALS	7	0.0	0.0		0	407	119	0	0	0	0	526	0	0	526
6100 WEEDS	2	0.0	0.0		0	175	0	0	0	0	0	175	0	0	175
6300 BIO CELL SYSTEMS	5	0.0	0.0		0	277	149	0	0	0	0	426	0	0	426
6500 INVERTEBRATES	44	0.0	0.0		0	2577	1128	0	0	0	0	3705	0	0	3705
6600 MICROORGANISMS VIRUSES	59	0.0	0.0		0	3224	1870	0	0	0	0	4894	0	0	4894
6700 PLANTS	91	0.0	0.0		0	4795	3384	0	0	0	0	8179	0	0	8179
6800 ANIMALS (VERTEBRATES)	13	0.0	0.0		0	1503	374	0	0	0	0	1876	0	0	1876
TOTAL		0.0	0.0		0	27820	11750	0	0	0	0	39370	0	0	39370

TABLE III-C SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C G	CA SAES	OTHER CN GT	SP FO O15	SP FO O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H. SUPPORT SYS	YEARS OTHER												
SERIES 100															
102 SOIL PLNT WTR NUTRI	3	0.0	0.0	0		294	150	0	0	0	0	444	0	0	444
103 MGMT OF SALINE SOILS	1	0.0	0.0	0		80	0	0	0	0	0	80	0	0	80
105 CONSERV USE OF WATER	2	0.0	0.0	0		162	0	0	0	0	0	162	0	0	162
110 APPRAIS FORST & RANGS	1	0.0	0.0	0		81	0	0	0	0	0	81	0	0	81
111 BIOL CULT MGMT FORSTS	6	0.0	0.0	0		533	117	0	0	0	0	650	0	0	650
SUBTOTAL		0.0	0.0	0		1130	267	0	0	0	0	1397	0	0	1397
SERIES 200															
201 CNTRL FORST INSECTS	5	0.0	0.0	0		188	170	0	0	0	0	358	0	0	358
202 CONTROL FOREST DIS	3	0.0	0.0	0		193	0	0	0	0	0	193	0	0	193
204 CNTR PESTS FRT & VEGS	3	0.0	0.0	0		240	0	0	0	0	0	240	0	0	240
205 CNTR DISE FRT & VEG	14	0.0	0.0	0		893	120	0	0	0	0	1013	0	0	1013
206 CNTR WEEDS FRT & VEG	2	0.0	0.0	0		105	100	0	0	0	0	205	0	0	205
207 CNTR PESTS FLO CROPS	14	0.0	0.0	0		1014	25	0	0	0	0	1039	0	0	1039
208 CNTR DIS FIELD CROPS	22	0.0	0.0	0		1270	425	0	0	0	0	1695	0	0	1695
209 CNTR WEEDS FLO CROPS	4	0.0	0.0	0		161	166	0	0	0	0	327	0	0	327
211 CNTR DIS ANIMALS	17	0.0	0.0	0		2889	400	0	0	0	0	3289	0	0	3289
212 CNTR INTER PARASITES	1	0.0	0.0	0		225	0	0	0	0	0	225	0	0	225
214 PROTECT FROM POLLUTION	4	0.0	0.0	0		260	265	0	0	0	0	525	0	0	525
SUBTOTAL		0.0	0.0	0		7438	1671	0	0	0	0	9109	0	0	9109
SERIES 300															
301 GENET BREED FORST TRE	4	0.0	0.0	0		509	0	0	0	0	0	509	0	0	509
304 IMP BIO EFF FRT & VEGS	15	0.0	0.0	0		797	438	0	0	0	0	1235	0	0	1235
307 IMP BIO EFF FLO CRP	55	0.0	0.0	0		3488	1817	0	0	0	0	5304	0	0	5304
310 ANIMAL REPRODUCTION	26	0.0	0.0	0		2970	1194	0	0	0	0	4164	0	0	4164
311 IMP BIO EFF ANML PR	13	0.0	0.0	0		1766	240	0	0	0	0	2006	0	0	2006
318 NON COM BIO TECH/BIMET	124	0.0	0.0	0		7060	4779	0	0	0	0	11839	0	0	11839
SUBTOTAL		0.0	0.0	0		16590	8468	0	0	0	0	25058	0	0	25058
SERIES 400															
401 NEW IMP FOREST PROG	25	0.0	0.0	0		1148	843	0	0	0	0	1791	0	0	1791
402 PROG F & V IMP ACCEPT	3	0.0	0.0	0		140	102	0	0	0	0	242	0	0	242
405 PROG FLO CROP IMP ACPT	1	0.0	0.0	0		1	0	0	0	0	0	1	0	0	1
406 NEW IMP FOOD FLO CROP	1	0.0	0.0	0		0	69	0	0	0	0	69	0	0	69
407 NEW IMP NON FOOD FC	1	0.0	0.0	0		0	80	0	0	0	0	80	0	0	80
SUBTOTAL		0.0	0.0	0		1288	893	0	0	0	0	2182	0	0	2182
SERIES 700															
702 FOOD PROT FROM TOX	1	0.0	0.0	0		0	19	0	0	0	0	19	0	0	19
708 HUMAN NUTRITION	15	0.0	0.0	0		1029	262	0	0	0	0	1291	0	0	1291
SUBTOTAL		0.0	0.0	0		1029	281	0	0	0	0	1311	0	0	1311
SERIES 900															
908 ORNAMENT & TURF DEV	3	0.0	0.0	0		144	170	0	0	0	0	314	0	0	314
SUBTOTAL		0.0	0.0	0		144	170	0	0	0	0	314	0	0	314
SCIENCE IN SERV OF MAN															
GRAND TOTAL		0.0	0.0	0		27620	11750	0	0	0	0	39370	0	0	39370

## ECONOMIC RESEARCH SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----			REG IN HOUSE	C	G	CA	OTHER CN	GT	SP O15	SP O10	FORST SERV	OTHER USOA	TOTAL USOA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT SYS	YEARS OTHER														
0100 SOIL AND LAND	17	24.2	0.0		3469			0		0	0	0	0	0	3469	0	0	3469
0200 WATER	13	12.3	0.0		1875			0		0	0	0	0	0	1875	0	0	1875
0300 WATERSHEDS RIVER BAS	3	1.3	0.0		199			0		0	0	0	0	0	199	0	0	199
0500 RECREATION RESOURCES	1	0.9	0.0		135			0		0	0	0	0	0	135	0	0	135
0800 WILDLIFE AND FISH	1	0.8	0.0		112			0		0	0	0	0	8	118	0	0	118
0900 CITRUS SUB TROP FRUT	1	2.0	0.0		292			0		0	0	0	0	0	292	0	0	292
1000 FRUIT NUTS DECIDUOUS	1	2.0	0.0		292			0		0	0	0	0	0	292	0	0	292
1100 POTATOES	1	3.0	0.0		558			0		0	0	0	0	10	569	0	0	569
1200 VEGETABLES	1	0.8	0.0		140			0		0	0	0	0	3	142	0	0	142
1300 ORNAMENTALS TURF	1	1.0	0.0		146			0		0	0	0	0	0	146	0	0	146
1400 CORN	3	5.2	0.0		863			0		0	0	0	0	45	908	2	0	911
1500 GRAIN SORGHUM	2	1.1	0.0		203			0		0	0	0	0	27	230	0	0	230
1600 RICE	3	2.5	0.0		367			0		0	0	0	0	34	401	1	0	402
1700 WHEAT	3	5.6	0.0		778			0		0	0	0	0	94	872	1	0	873
1800 OTHER SMALL GRAINS	3	1.7	0.0		279			0		0	0	0	0	32	311	0	0	311
1900 PASTURE	1	0.4	0.0		72			0		0	0	0	0	1	74	0	0	74
2000 FORAGE CROPS	2	1.1	0.0		188			0		0	0	0	0	26	215	0	0	215
2100 COTTON	4	7.6	0.0		1259			0		0	0	0	0	25	1284	1	0	1286
2200 COTTONSEED	1	0.5	0.0		72			0		0	0	0	0	0	72	0	0	72
2300 SOYBEANS	4	5.3	0.0		967			0		0	0	0	0	25	992	1	0	993
2400 PEANUTS	1	0.7	0.0		96			0		0	0	0	0	0	96	0	0	96
2500 OTHER OILSEED CROPS	3	2.5	0.0		458			0		0	0	0	0	0	458	1	0	457
2600 TOBACCO	1	4.1	0.0		571			0		0	0	0	0	0	571	0	0	571
2700 SUGAR CROPS	2	5.8	0.0		844			0		0	0	0	0	0	844	0	0	844
2800 MISC NEW CROPS	1	1.6	0.0		208			0		0	0	0	0	11	219	0	0	219
2900 POULTRY	2	5.1	0.0		732			0		0	0	0	0	0	732	1	0	734
3000 BEEF CATTLE	3	10.2	0.0		1814			0		0	0	0	0	0	1814	1	0	1815
3100 DAIRY CATTLE	4	7.5	0.0		1116			0		0	0	0	0	0	1116	1	15	1133
3200 SWINE	2	6.4	0.0		1018			0		0	0	0	0	0	1018	0	0	1018
3300 SHEEP AND WOOL	2	2.2	0.0		313			0		0	0	0	0	0	313	0	0	313
3500 BEES AND HONEY	1	1.4	0.0		196			0		0	0	0	0	0	196	0	0	196
3600 FARM SUPP & FACILITS	2	6.0	0.0		731			0		0	0	0	0	0	731	0	0	731
3800 FOOD	6	19.4	0.0		2470			0		0	0	0	0	45	2514	0	12	2526
4000 PEOPLE AS INDIVIDUALS	5	3.6	0.0		590			0		0	0	0	0	0	590	0	0	590
4100 FAMILY MEMBERS	6	8.6	0.0		1318			0		0	0	0	0	0	1318	0	0	1318
4200 FARM AS BUSINESS	5	6.3	0.0		1027			0		0	0	0	0	0	1027	0	0	1027
4300 SOC POLIT ORGANIZ	10	12.7	0.0		1983			0		0	0	0	0	0	1983	0	0	1983
4400 AGRIC ECONOMY U S	41	73.0	0.0		9964			0		0	0	0	0	36	9999	0	0	9999
4500 AGRIC ECONOMY FORGN	35	100.2	0.0		9507			0		0	0	0	0	4	9511	0	5	9516
4800 MARKETING SYSTEMS	3	21.1	0.0		3246			0		0	0	0	0	0	3246	7	0	3253
6700 PLANTS	1	2.3	0.0		365			0		0	0	0	0	0	365	0	0	365
6900 RESEARCH ON RSCH MGMT	1	0.0	0.0		7			0		0	0	0	0	0	7	0	0	7
TOTAL		380.1	0.0		50841			0		0	0	0	0	423	51265	19	32	51316

TABLE III-C SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AIO FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN	GT	SP O15	SP O10	FORST SERV	OTHER USOA	TOTAL USOA APPR	OTHER FEO FUND	NON- FEO FUND	TOTAL
		I.H. SUPPORT SYS	YEARS OTHER														
SERIES 100																	
102 SOIL PLNT WTR NUTRI	3	4.9	0.0	753			0	0		0	0	0	0	753	0	0	753
104 ALTERN USE OF LAND	15	25.5	0.0	3641			0	0		0	0	0	0	3641	0	0	3641
105 CONSERV USE OF WATER	3	2.5	0.0	383			0	0		0	0	0	0	383	0	0	383
108 ECON LEG PROB OF WAT	3	5.0	0.0	766			0	0		0	0	0	0	766	0	0	766
114 RSCH ON MGMT OF RSCH	1	0.0	0.0	7			0	0		0	0	0	0	7	0	0	7
SUBTOTAL		37.9	0.0	5551			0	0		0	0	0	0	5551	0	0	5551
SERIES 300																	
314 BEES OTH POLLNTNG INS	1	1.4	0.0	196			0	0		0	0	0	0	196	0	0	196
316 FARM BUSINESS MGMT	3	3.9	0.0	612			0	0		0	0	0	0	612	0	0	612
SUBTOTAL		5.3	0.0	808			0	0		0	0	0	0	808	0	0	808
SERIES 500																	
503 MKTG EFF AGRI PRODS	6	10.6	0.0	1592			0	0		0	0	0	15	1607	0	0	1607
506 SPLY DEMAND AND PRIC	32	70.3	0.0	10392			0	0		0	0	0	185	10577	0	15	10592
507 COMP REL IN AGRIC	5	9.3	0.0	1433			0	0		0	0	0	0	1433	0	0	1433
508 DOMESTIC MKT OEVLDP	3	2.2	0.0	282			0	0		0	0	0	0	282	0	0	282
509 PERFORMANCE MKTG SYS	10	36.8	0.0	6216			0	0		0	0	0	175	6391	7	0	6398
SUBTOTAL		129.3	0.0	19916			0	0		0	0	0	375	20291	7	15	20313
SERIES 600																	
601 FGN MKT OEVLDP	36	107.3	0.0	11149			0	0		0	0	0	9	11158	12	12	11182
602 EVAL FGN FOOD AIO PGM	2	7.4	0.0	341			0	0		0	0	0	4	345	0	5	350
603 TECH AIO DEV CRTY	2	1.4	0.0	215			0	0		0	0	0	0	215	0	0	215
604 PRO DVLPMNT/MKTG FRGN	1	1.0	0.0	120			0	0		0	0	0	0	120	0	0	120
SUBTOTAL		117.0	0.0	11825			0	0		0	0	0	13	11838	12	17	11867
SERIES 700																	
701 TOX RES IN FOOD	1	1.2	0.0	22			0	0		0	0	0	0	22	0	0	22
702 FOOD PROT FROM TOX	1	1.5	0.0	245			0	0		0	0	0	0	245	0	0	245
703 FOOD CONSUMP HABITS	3	5.1	0.0	734			0	0		0	0	0	38	769	0	0	769
708 HUMAN NUTRITION	1	0.6	0.0	98			0	0		0	0	0	0	98	0	0	98
SUBTOTAL		8.4	0.0	1099			0	0		0	0	0	38	1135	0	0	1135
SERIES 800																	
804 ECON POTENT RURL PED	7	6.2	0.0	928			0	0		0	0	0	0	928	0	0	928
805 COMMUNICAT EDUC PROC	2	1.2	0.0	210			0	0		0	0	0	0	210	0	0	210
806 ADJUSTMENT TO CHANGE	4	6.0	0.0	972			0	0		0	0	0	0	972	0	0	972
807 AGRIC ECONOMIC CHANGE	28	41.0	0.0	5596			0	0		0	0	0	0	5596	0	0	5596
808 GOVT PROGRAMS	11	15.1	0.0	2021			0	0		0	0	0	0	2021	0	0	2021
SUBTOTAL		69.5	0.0	9727			0	0		0	0	0	0	9727	0	0	9727
SERIES 900																	
902 OUTDOOR RECREATION	1	0.9	0.0	135			0	0		0	0	0	0	135	0	0	135
904 WLOLFE AND FISH ECOL	1	1.0	0.0	127			0	0		0	0	0	0	127	0	0	127
906 ORNAMENT & TURF DEV	1	1.0	0.0	146			0	0		0	0	0	0	146	0	0	146
907 RURAL INCOME IMP	1	1.9	0.0	267			0	0		0	0	0	0	267	0	0	267
908 RURAL INSTITUT IMP	5	7.9	0.0	1240			0	0		0	0	0	0	1240	0	0	1240
SUBTOTAL		12.7	0.0	1915			0	0		0	0	0	0	1915	0	0	1915
SCIENCE IN SERV OF MAN GRAND TOTAL			380.1	0.0	50841		0	0		0	0	0	423	51265	19	32	51316

## U S FOREST SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS SYS OTHER	REG IN HOUSE	C	G	CA	OTHER	SP	FO	SP	FO	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUNO	NON- FED FUNO	TOTAL
0100 SOIL AND LAND	19	12.4 34.1	2176									866	0	3041	118	5	3164
0200 WATER	9	7.7 12.6	1261									66	0	1327	20	0	1347
0300 WATERSHEDS RIVER BAS	51	40.4 112.7	7682									626	0	8308	378	140	8826
0400 AIR AND CLIMATE	10	4.9 11.3	890									288	0	1188	107	0	1294
0500 RECREATION RESOURCES	17	18.3 20.3	2512									542	0	3054	135	180	3370
0600 TIMBER FORST PRODUCT	451	539.4 1371.7	101308									13055	0	114363	2993	4738	122084
0700 RANGE	36	20.3 45.8	3221									306	0	3526	277	270	4074
0800 WILDLIFE AND FISH	62	45.1 113.1	9652									1156	0	10808	703	42	11554
3900 HOUSING & EQUIP	4	5.0 17.6	1015									0	0	1015	0	118	1133
4800 MARKETING SYSTEMS	1	0.2 0.3	21									0	0	21	0	0	21
6500 INVERTEBRATES	3	1.5 1.8	275									7	0	282	1	0	283
6900 RESEARCH ON RSCH MGMT	3	1.0 2.3	194									54	0	248	0	0	248
TOTAL		696.2 1743.6	130206									16976	0	147182	4733	5493	157408

TABLE III-C SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF----- I.H. SUPPORT YEARS SYS OTHER	REG IN HOUSE	C	G	CA	OTHER	SP	FO	SP	FO	FORST	OTHER	TOTAL USDA APPR	OTHER FED FUNO	NON- FED FUNO	TOTAL
SERIES 100																	
102 SOIL PLNT WTR NUTRI	23	19.9 33.1	2711									103	0	2814	109	11	2935
104 ALTERN USE OF LAND	3	1.0 3.3	244									0	0	244	34	0	277
105 CONSERV USE OF WATER	1	0.8 3.3	198									14	0	213	20	0	233
107 WATERSHED PROT & MGMT	50	43.8 129.1	8412									535	0	8947	325	140	9411
109 WEATHER ADAPT & MOO	3	1.8 4.5	238									0	0	238	0	3	241
110 APPRAIS FORST & RANGS	30	45.3 355.1	13952									1053	0	15004	488	56	15546
111 BIOL CULT MGMT FORSTS	139	148.5 357.6	23219									2153	0	25372	632	1032	27036
112 IMPROV RANGE RESOR	17	9.7 17.1	1599									119	0	1718	113	16	1846
113 REMOTE SENSING	1	0.0 0.0	0									374	0	374	0	0	374
114 RSCH ON MGMT OF RSCH	3	1.0 2.3	194									54	0	248	0	0	248
SUBTOTAL		271.9 905.5	50768									4404	0	55172	1718	1257	58147
SERIES 200																	
201 CNTRL FORST INSECTS	64	69.0 139.2	12128									3045	0	15173	64	39	15276
202 CONTROL FOREST DIS	52	41.2 98.4	8576									1061	0	9637	222	449	10308
203 FOREST FIRE PROTECT	31	35.1 64.0	6132									644	0	6776	137	498	7413
207 CNTR PESTS FLD CROPS	1	0.0 0.3	0									0	0	0	22	0	24
208 CNTR DIS FIELD CROPS	2	0.8 2.0	107									0	0	107	27	0	134
214 PROTECT FROM POLLUTION	7	12.0 18.6	3893									1448	0	5341	19	0	5360
SUBTOTAL		158.1 322.6	30839									6199	0	37038	490	987	38515
SERIES 300																	
301 GENET BREED FORST TRE	26	23.3 70.3	4684									250	0	4934	330	59	5322
302 IMP FOREST ENG SYS	15	19.8 47.3	3053									172	0	3225	59	33	3317
303 ECON TIMBER PRODUCTN	21	14.4 24.6	1787									332	0	2119	231	14	2365
SUBTOTAL		57.5 142.3	9524									754	0	10278	620	106	11004
SERIES 400																	
401 NEW IMP FOREST PROO	69	82.0 121.2	17645									1514	0	19159	367	2739	22266
SUBTOTAL		82.0 121.2	17645									1514	0	19159	367	2739	22266
SERIES 500																	
502 MKTG TIMBER PRODUCTS	2	0.6 1.4	109									149	0	258	0	0	258
509 PERFORMANCE MKTG SYS	1	0.2 0.3	21									0	0	21	0	0	21
512 IMP GRADES FRST PROO	6	8.4 9.4	862									0	0	862	65	29	956
513 PRICE ANAL FRST PROO	13	17.6 24.9	2496									532	0	3028	106	16	3151
SUBTOTAL		26.8 35.9	3488									681	0	4169	172	45	4386
SERIES 800																	
801 RURAL HOUSING	4	5.0 17.6	1015									0	0	1015	0	118	1133
SUBTOTAL		5.0 17.6	1015									0	0	1015	0	118	1133
SERIES 900																	
901 ALLEY POLLUTION	26	14.0 31.9	2851									1795	0	4646	145	0	4790
902 OUTDOOR RECREATION	16	17.3 16.7	2218									460	0	2679	135	164	2978
903 MULTI USE FOREST POTEN	17	15.3 39.5	1698									166	0	1863	388	29	2279
904 WLOLFE AND FISH ECOL	55	47.1 108.7	9979									1003	0	10983	698	48	11729
905 TREES BEAUTIFICATION	3	1.1 1.7	181									0	0	181	0	0	181
SUBTOTAL		94.8 198.4	18926									3425	0	20351	1366	241	21957
SCIENCE IN SERV OF MAN																	
GRAND TOTAL		696.2 1743.6	130206									16976	0	147182	4733	5493	157408



## SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

TABLE III-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA SAES	OTHER CN GT	SP	FO O15	SP	FO O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUNO	NON- FED FUNO	TOTAL
		I. H.	SUPPORT YEARS															
		SYS	OTHER															
0100 SOIL AND LAND	4	0.0	0.0	0			0	475	0	0	0	0	0	0	475	0	0	475
0200 WATER	2	0.0	0.0	0			0	174	0	0	0	0	0	0	174	0	0	174
0500 RECREATION RESOURCES	1	0.0	0.0	0			0	22	0	0	0	0	0	0	22	0	0	22
0600 TIMBER FORST PRODUCT	6	0.0	0.0	0			0	628	0	0	0	0	0	0	628	0	0	628
0800 WILDLIFE AND FISH	6	0.0	0.0	0			0	466	0	0	0	0	0	0	466	0	0	466
1000 FRUIT NUTS DECIDUOUS	1	0.0	0.0	0			0	205	0	0	0	0	0	0	205	0	0	205
1100 POTATOES	1	0.0	0.0	0			0	210	0	0	0	0	0	0	210	0	0	210
1400 CORN	4	0.0	0.0	0			0	149	0	0	0	0	0	0	149	0	0	149
1700 WHEAT	3	0.0	0.0	0			0	265	0	0	0	0	0	0	265	0	0	265
2000 FORAGE CROPS	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
2800 MISC NEW CROPS	1	0.0	0.0	0			0	25	0	0	0	0	0	0	25	0	0	25
2900 POULTRY	2	0.0	0.0	0			0	99	0	0	0	0	0	0	99	0	0	99
3100 DAIRY CATTLE	2	0.0	0.0	0			0	100	0	0	0	0	0	0	100	0	0	100
3200 SWINE	2	0.0	0.0	0			0	229	0	0	0	0	0	0	229	0	0	229
3400 OTHER ANIMALS	1	0.0	0.0	0			0	25	0	0	0	0	0	0	25	0	0	25
3800 FOOD	4	0.0	0.0	0			0	489	0	0	0	0	0	0	489	0	0	489
4000 PEOPLE AS INDIVIDUALS	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
4100 FAMILY MEMBERS	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
4300 SOC POLIT ORGANIZ	2	0.0	0.0	0			0	72	0	0	0	0	0	0	72	0	0	72
6700 PLANTS	3	0.0	0.0	0			0	150	0	0	0	0	0	0	150	0	0	150
7000 RSCH EQUIP & TECHNOLOG	1	0.0	0.0	0			0	175	0	0	0	0	0	0	175	0	0	175
TOTAL		0.0	0.0	0			0	4106	0	0	0	0	0	0	4106	0	0	4106

TABLE III-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA SAES	OTHER CN GT	SP	FO O15	SP	FO O10	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUNO	NON- FED FUNO	TOTAL
		I. H.	SUPPORT YEARS															
		SYS	OTHER															
SERIES 100																		
102 SOIL PLNT WTR NUTRI	3	0.0	0.0	0			0	425	0	0	0	0	0	0	425	0	0	425
106 DRAIN AND IRRIGATION	1	0.0	0.0	0			0	49	0	0	0	0	0	0	49	0	0	49
111 BIOL CULT MGMT FORSTS	1	0.0	0.0	0			0	190	0	0	0	0	0	0	190	0	0	190
113 REMOTE SENSING	1	0.0	0.0	0			0	120	0	0	0	0	0	0	120	0	0	120
SUBTOTAL		0.0	0.0	0			0	784	0	0	0	0	0	0	784	0	0	784
SERIES 200																		
203 FOREST FIRE PROTECT	1	0.0	0.0	0			0	48	0	0	0	0	0	0	48	0	0	48
205 CNTR DISE FRT & VEG	1	0.0	0.0	0			0	205	0	0	0	0	0	0	205	0	0	205
211 CONTR DIS ANIMALS	1	0.0	0.0	0			0	180	0	0	0	0	0	0	180	0	0	180
SUBTOTAL		0.0	0.0	0			0	433	0	0	0	0	0	0	433	0	0	433
SERIES 300																		
301 GENET BREED FORST TRE	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
302 IMP FOREST ENG SYS	1	0.0	0.0	0			0	175	0	0	0	0	0	0	175	0	0	175
304 IMP BIO EFF FRT & VEGS	1	0.0	0.0	0			0	210	0	0	0	0	0	0	210	0	0	210
305 MECH PROO FRT & VEGS	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
306 PROO MGMT SYS F & V	2	0.0	0.0	0			0	100	0	0	0	0	0	0	100	0	0	100
307 IMP BIO EFF FLO CRP	2	0.0	0.0	0			0	99	0	0	0	0	0	0	99	0	0	99
308 MECH PROO FIELD CROPS	1	0.0	0.0	0			0	25	0	0	0	0	0	0	25	0	0	25
310 ANIMAL REPRODUCTION	2	0.0	0.0	0			0	100	0	0	0	0	0	0	100	0	0	100
311 IMP BIO EFF ANML PR	3	0.0	0.0	0			0	124	0	0	0	0	0	0	124	0	0	124
313 PROO MGMT SYS ANML PR	1	0.0	0.0	0			0	49	0	0	0	0	0	0	49	0	0	49
SUBTOTAL		0.0	0.0	0			0	980	0	0	0	0	0	0	980	0	0	980
SERIES 400																		
401 NEW IMP FOREST PROO	3	0.0	0.0	0			0	220	0	0	0	0	0	0	220	0	0	220
406 NEW IMP FOOD FLO CROP	2	0.0	0.0	0			0	385	0	0	0	0	0	0	385	0	0	385
407 NEW IMP NON FOOD FC	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
408 MKT QUAL FIELD CROPS	2	0.0	0.0	0			0	270	0	0	0	0	0	0	270	0	0	270
SUBTOTAL		0.0	0.0	0			0	925	0	0	0	0	0	0	925	0	0	925
SERIES 700																		
702 FOOD PROT FROM TOX	3	0.0	0.0	0			0	149	0	0	0	0	0	0	149	0	0	149
SUBTOTAL		0.0	0.0	0			0	149	0	0	0	0	0	0	149	0	0	149
SERIES 800																		
805 COMMUNICAT EDUC PROC	1	0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
SUBTOTAL		0.0	0.0	0			0	50	0	0	0	0	0	0	50	0	0	50
SERIES 900																		
901 ALLEY POLLUTION	2	0.0	0.0	0			0	175	0	0	0	0	0	0	175	0	0	175
902 OUTDOOR RECREATION	1	0.0	0.0	0			0	22	0	0	0	0	0	0	22	0	0	22
904 WLDLFE AND FISH ECOL	6	0.0	0.0	0			0	466	0	0	0	0	0	0	466	0	0	466
907 RURAL INCOME IMP	2	0.0	0.0	0			0	72	0	0	0	0	0	0	72	0	0	72
908 RURAL INSTITUT IMP	1	0.0	0.0	0			0	49	0	0	0	0	0	0	49	0	0	49
SUBTOTAL		0.0	0.0	0			0	785	0	0	0	0	0	0	785	0	0	785
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		0.0	0.0	0			0	4106	0	0	0	0	0	0	4106	0	0	4106

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-E SUMMARY BY AGENCY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION AGENCY	NO OF PROJ	-----STAFF-----		REG IN HOUSE	C	G	CA	OTHER CN GT	SP	FO	SP	FO	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON- FED FUND	TOTAL
		I.H.	SUPPORT YEARS SYS OTHER															
AGRICULTURAL COOP SERVICE	8	14.9	2.1	1462			0	77	0	0	0	0	0	0	1539	0	0	1539
AGRICULTURAL RESEARCH SER	2376	2709.5	4539.1	533044			17333	20539	0	0	0	0	0	0	570916	6396	2786	580097
COMPETITIVE RESEARCH GRNT	366	0.0	0.0	0			27620	11750	0	0	0	0	0	0	39370	0	0	39370
CSRS SPECIAL GRANTS	492	0.0	0.0	0			62071	2404	0	0	0	0	0	0	64475	0	0	64475
ECONOMIC RESEARCH SERVICE	141	380.1	0.0	50842			0	0	0	0	0	0	0	423	51265	20	32	51316
U S FOREST SERVICE	567	696.2	1743.6	130206			0	0	0	0	0	16976	0	0	147182	4733	5493	157408
SMALL BUSINESS INNOV GRNT	45	0.0	0.0	0			0	4106	0	0	0	0	0	0	4106	0	0	4106
TOTAL	3995	3800.7	6284.8	715554			107023	38876	0	0	0	16976	423	0	878852	11148	8311	898311

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF SUPPORT OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROG SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1142	338.5	1148.9	7312	452	1436	24	732	0	149	10104	2644	9227	40321	3515	5968	5718	77497
0200 WATER	732	198.0	655.6	3810	193	1348	0	241	0	76	5666	1880	5478	24766	1490	2795	4482	46557
0300 WATERSHEDS RIVER BAS	187	47.2	169.5	562	333	125	0	183	0	8	1210	722	1617	5931	148	844	928	11401
0400 AIR AND CLIMATE	117	37.4	122.6	629	36	11	0	12	0	0	688	127	1356	4474	214	591	483	7934
0500 RECREATION RESOURCES	140	44.1	100.0	310	388	24	0	0	0	0	723	506	1405	3223	76	440	1058	7430
0600 TIMBER FORST PRODUCT	1488	578.2	1652.1	2489	12924	2431	2755	368	0	454	21421	8738	7555	59995	2289	9343	10279	119620
0700 RANGE	281	86.5	254.7	1883	199	486	0	83	0	0	2651	771	2771	9305	1921	486	781	18685
0800 WILDLIFE AND FISH	814	284.3	1116.7	2330	1271	5884	251	1749	111	0	11595	2714	11496	31644	2008	5043	10904	75404
0900 CITRUS SUB TRDP FRUT	301	115.1	365.4	1337	0	962	129	99	0	100	2627	755	387	17865	225	1391	665	23914
1000 FRUIT NUTS DECIDUOUS	903	322.7	1182.3	7807	26	1509	67	505	0	97	10012	1649	1471	46274	2295	5412	3158	70269
1100 POTATDES	327	91.6	385.1	2032	0	1538	165	33	0	17	3785	1511	1137	11087	792	1322	1642	21277
1200 VEGETABLES	1310	444.7	1644.6	10463	0	2668	730	2282	0	134	16277	1700	5056	59341	2505	5468	5132	95478
1300 ORNAMENTALS TURF	570	209.2	681.9	5087	14	403	63	506	0	0	6073	376	576	27875	1033	4362	1916	42212
1400 CDRN	855	197.6	782.6	5150	2	453	1120	267	0	154	7145	1480	4275	24240	2192	5983	3226	48542
1500 GRAIN SORGHUM	269	61.8	215.5	1034	0	172	1	74	0	5	1286	319	2055	7088	979	661	670	13058
1600 RICE	143	49.4	222.2	555	0	229	46	0	0	0	829	423	1048	6995	374	1587	2686	13942
1700 WHEAT	698	197.0	640.7	3732	0	928	342	26	0	0	5026	1325	3395	23752	2936	2780	3001	42214
1800 OTHER SMALL GRAINS	347	77.7	295.8	1790	0	56	142	114	0	0	2102	638	1347	9071	1310	2102	1267	17837
1900 PASTURE	114	24.6	100.2	948	13	86	0	0	0	0	1046	66	94	2995	511	137	150	5000
2000 FORAGE CROPS	741	193.3	701.3	5873	0	565	71	509	0	0	7018	1832	1784	26788	3146	2083	1367	44018
2100 COTTON	327	108.9	375.6	2313	0	554	18	0	0	0	2886	523	543	14023	1479	1863	1329	22645
2200 COTTONSEED	8	1.0	3.2	21	0	0	0	0	0	0	21	9	18	153	5	16	4	225
2300 SOYBEANS	821	212.1	719.9	5079	0	1447	494	2129	0	0	9149	817	1461	25360	3420	4219	3106	47533
2400 PEANUTS	148	44.4	165.9	737	0	90	0	126	0	0	954	250	961	6190	313	586	828	10082
2500 OTHER OILSEED CRDPS	133	38.4	133.6	711	0	297	0	162	0	319	1489	860	761	4090	325	666	317	8509
2600 TOBACCO	147	53.3	193.2	887	0	24	50	0	0	0	961	163	384	9556	286	318	796	12644
2700 SUGAR CROPS	123	40.3	138.2	1221	0	143	0	0	0	0	1364	98	73	5463	351	1107	333	8789
2800 MISC NEW CROPS	174	38.7	198.9	1101	0	1884	0	76	0	12	3053	610	1767	5067	507	960	570	12535
2900 POULTRY	747	256.0	1035.3	7045	0	1414	1008	702	526	151	10846	567	2315	41422	2909	3677	3399	65135
3000 BEEF CATTLE	1319	461.2	1841.1	9839	8	2510	1964	630	1324	171	16446	2631	11070	65269	25808	6528	4534	132286
3100 DAIRY CATTLE	1161	349.5	1591.8	10137	0	1680	770	206	1144	0	13937	1509	5654	50670	113101	3034	5306	101420
3200 SWINE	773	212.8	872.4	6562	0	1067	1548	1057	673	0	10906	2418	2576	31038	6440	3208	4583	61169
3300 SHEEP AND WOOL	375	104.6	453.5	2542	0	483	658	156	283	0	4123	1999	3898	13462	2444	999	1212	28137
3400 OTHER ANIMALS	601	204.7	779.9	1445	0	449	636	3463	506	0	6498	415	12557	18450	3006	3300	5284	49511
3500 BEES AND HONEY	46	13.5	41.3	195	0	2	38	130	0	0	364	301	31	2022	170	57	137	3083
3600 FARM SUPP & FACILITS	92	29.8	73.3	701	8	193	0	33	0	0	934	187	215	3205	369	490	324	5723
3700 CLOTHING & TEXTILES	96	22.2	56.8	384	0	0	0	576	0	0	960	46	39	1855	112	253	28	3302
3800 FOOD	428	173.4	494.5	4101	0	1229	159	836	0	202	6526	906	4467	18098	703	4096	2319	37115
3900 HOUSING & EQUIP	142	45.5	113.2	1124	78	45	0	285	0	0	1532	370	184	5019	310	501	429	8344
4000 PEOPLE AS INDIVIDUAL	576	172.4	592.3	2445	45	361	1166	1935	1	0	5953	94	5805	16415	1231	2321	2747	34566
4100 FAMILY MEMBERS	280	73.8	178.7	1364	0	458	77	391	0	0	2290	176	2198	6294	400	301	534	12194
4200 FARM AS BUSINESS	205	70.0	134.7	1530	3	262	0	324	0	0	2119	239	142	6660	280	197	228	9865
4300 SOC POLIT ORGANIZ	339	111.2	268.1	2495	48	585	0	954	0	68	4149	761	2314	9244	440	813	1328	19049
4400 AGRIC ECONOMY U S	155	60.2	141.6	1069	10	2871	0	26	0	0	3976	570	255	6462	226	732	642	12662
4500 AGRIC ECONOMY FORGN	49	33.8	71.5	252	0	2457	0	0	0	0	2709	237	4756	2185	54	661	291	10894
4600 FARM COOPERATIVES	26	4.9	15.7	116	0	19	0	0	0	0	135	63	10	484	40	105	92	929
4700 OTH MARKET PROCESS	23	4.5	18.2	113	18	9	0	55	0	0	196	20	12	430	44	50	17	769
4800 MARKETING SYSTEMS	70	19.9	42.4	392	0	291	0	259	0	0	942	64	55	2013	41	52	225	3391
6100 WEEDS	132	31.4	113.0	849	6	144	50	18	0	0	1068	223	568	4001	188	843	392	7282
6200 SEED RESEARCH	63	22.2	91.0	274	0	0	0	0	0	0	274	158	299	2461	1848	276	243	5559
6300 BIO CELL SYSTEMS	281	103.3	470.2	1516	19	22	455	179	8	0	2199	304	10690	11272	686	1966	1623	28741
6400 EXP DESIGN/STAT METH	103	36.1	76.7	382	21	6	0	0	0	0	408	1126	561	3800	342	306	463	7007
6500 INVERTEBRATES	495	153.0	453.1	2309	171	254	3376	63	71	12	6256	559	3795	18527	320	1502	919	31877
6600 MICROORGANISMS VIRUS	571	163.4	652.4	2779	56	595	4561	22	88	0	8101	583	10559	18229	716	2945	1203	42337
6700 PLANTS	929	277.9	996.0	4359	9	2725	7358	46	0	231	14727	2781	9673	33079	1399	5309	3222	70189
6800 ANIMALS(VERTEBRATES)	536	265.6	920.0	2388	4	1041	851	501	259	0	5044	592	20826	32789	3512	2804	3327	68893
6900 RESEARCH ON RSCH MGM	38	12.6	38.0	482	98	43	0	0	0	0	623	81	106	7913	0	197	33	8952
7000 RSCH EQUIP & TECHNOL	140	40.9	142.8	503	95	663	30	153	0	0	1444	599	3479	4391	366	554	524	11357
TOTAL			27135.9	16550		31173		4995			272848	188606		102362		112405		
	7666.0		146893		47605		23273		4995	2359		54079		950101		126606		1807007

## NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESD	216	77.5	217.9	1525	132	125	0	0	0	40	1821	820	1060	8998	521	1546	1399	15965
102 SOIL PLNT WTR NUTRI	834	274.6	957.1	5677	840	583	42	788	0	15	7925	2838	6462	30854	3538	4298	4808	60121
103 MGMT OF SALINE SOILS	78	20.8	97.6	514	22	2	111	105	0	8	780	111	552	3382	827	254	208	5893
104 ALTERN USE OF LAND	131	32.3	68.4	779	22	11	0	41	0	0	853	94	387	3289	111	91	878	5702
105 CONSERV USE OF WATER	320	89.6	299.8	1614	57	143	23	229	0	38	2100	1102	2949	10808	895	1328	1272	20250
106 DRAIN AND IRRIGATION	123	38.0	111.5	888	0	43	0	13	0	4	749	216	545	4879	254	483	1833	8760
107 WATERSHED PROT & MGM	203	56.8	207.7	878	331	117	0	0	0	0	1327	1242	1440	7154	524	941	1028	13655
108 ECON LEG PROB OF WAT	85	20.7	32.7	518	6	0	0	0	0	0	524	128	284	1982	80	92	78	3184
109 WEATHER ADAPT & MOO	152	48.9	140.5	948	88	11	0	24	0	53	1122	351	2391	5092	302	344	450	10052
110 APPRAIS FORST & RANG	158	43.7	112.9	284	955	7	0	62	0	0	1288	633	1974	3581	314	540	920	9250
111 BIOD CULT MGMT FORST	414	165.2	480.8	277	4281	18	771	77	0	17	5441	3489	2443	18197	922	1855	2352	32680
112 IMPROV RANGE RESOR	195	55.8	160.0	1298	148	324	0	21	0	0	1789	445	534	8432	1487	249	452	11388
113 REMOTE SENSING	76	23.7	55.0	214	320	72	0	98	0	0	702	257	1081	2252	100	243	263	4877
114 RSCH ON MGMT OF RSCH	37	12.6	37.9	482	58	43	0	0	0	0	823	81	108	7909	0	197	33	8948
SUBTOTAL			2977.8		7298		947	1438		189	27023	11385	22189	112608	9457	12459		210884
	956.1			15674		1499												
SERIES 200																		
201 CNTRL FORST INSECTS	153	35.5	113.8	443	818	13	785	0	0	0	2059	949	396	4203	78	409	328	8419
202 CONTROL FOREST OIS	131	39.8	112.6	458	920	1	288	0	0	6	1871	375	381	4103	172	531	471	7684
203 FOREST FIRE PROTECT	9	1.0	2.6	0	34	0	0	0	0	0	34	19	27	89	1	0	16	187
204 CNTR PESTS FRT & VEG	497	141.2	531.4	3135	0	1069	52	138	0	181	4555	728	1271	19416	780	2450	1592	30792
205 CNTR OISE FRT & VEG	743	240.0	916.4	4857	23	1748	299	74	0	182	7185	2002	1482	32853	1275	3385	2204	50348
206 CNTR WEEDS FRT & VEG	171	38.2	137.3	1110	0	175	109	140	0	0	1534	80	309	5142	243	733	266	8308
207 CNTR PESTS FLD CROPS	598	186.9	642.5	4633	0	1594	380	687	0	27	7281	1629	1600	20930	1201	2833	1915	37389
208 CNTR OIS FIELD CROPS	693	228.6	744.3	5428	0	1174	275	77	0	44	8998	1175	2122	26271	1750	4685	3033	46034
209 CNTR WEEDS FLD CROPS	320	107.2	409.5	2789	20	774	27	0	0	0	3810	816	450	13789	1110	2812	2068	24854
210 CNTR PESTS ANIMALS	150	41.0	140.9	905	4	411	0	0	191	0	1511	108	584	5261	833	493	628	9397
211 CNTR OIS ANIMALS	1331	593.3	1936.6	4143	0	4279	1407	175	3540	74	13818	2122	21786	73829	11552	7323	10425	140636
212 CNTR INTER PARASITES	119	30.4	96.4	601	0	300	0	4	131	0	1038	80	489	3499	487	768	342	6702
213 PROT ANMLS FROM TOXI	135	84.5	233.3	644	8	137	0	48	241	0	1077	119	8547	7814	1844	1300	1879	22184
214 PROTECT FROM POLLUTI	224	65.6	308.6	1136	324	1028	79	288	41	0	2875	1348	4817	8495	251	1347	1052	19984
SUBTOTAL			6324.3		2152		3678	1590	4145	495	55044	43982	21379	225492	29051			412712
	1833.1			30282		12703						11549						
SERIES 300																		
301 GENET BREED FORST TR	118	59.0	183.1	223	1271	13	221	158	0	0	1885	312	890	8618	173	869	1917	12663
302 IMP FOREST ENG SYS	48	17.5	44.8	22	261	435	39	0	0	0	757	48	78	2112	45	247	193	3475
303 ECON TIMBER PRODUCTN	72	21.8	50.8	17	785	73	0	0	0	0	854	125	50	2844	100	352	220	4346
304 IMP BIOD EFF FRT & VE	932	327.8	1282.4	7384	0	1894	1048	1940	0	17	12082	1931	2288	47826	2435	4750	3338	74428
305 MECH PROD FRT & VEGS	80	19.4	57.4	597	0	47	0	0	0	0	844	31	34	2858	71	290	183	4112
306 PROD MGMT SYS F & V	130	33.2	141.3	714	0	233	0	98	0	100	1142	139	77	4228	273	237	371	8468
307 IMP BIOD EFF FLD CRP	1284	518.2	2086.8	11164	0	890	2589	1870	0	193	16508	3947	9847	89000	9630	9438	7117	125285
308 MECH PROD FIELD CRP	87	29.7	82.2	863	0	58	0	0	0	0	721	228	132	3961	198	645	270	6152
309 PROD MGMT SYS FLD CRP	357	93.8	301.9	1958	0	278	7	284	0	0	2523	377	308	11618	1717	1328	1417	19281
310 ANIMAL REPRODUCTION	591	211.3	1057.7	7044	0	322	3881	1580	285	248	13120	2200	8551	33038	8803	2210	2090	86014
311 IMP BIOD EFF ANML PR	1172	489.5	2417.8	15558	0	532	1800	3282	341	0	21311	4159	8580	78397	25536	12368	6498	154827
312 ENV STRESS IN ANML P	176	58.8	187.2	1358	0	41	0	74	85	0	1558	49	1398	7550	1792	488	504	13316
313 PROD MGMT SYS ANML P	261	58.4	279.3	1824	0	380	0	131	0	0	2318	100	130	10294	3129	543	853	17165
314 BEES OTH POLLNTNG IN	48	13.5	41.3	185	0	2	38	130	0	0	384	301	31	2022	170	57	137	3083
315 IMP STRUC FARM SUPP	92	37.8	90.2	911	0	188	0	33	0	0	1192	288	84	4104	540	385	270	8841
316 FARM BUSINESS MGMT	155	50.0	95.3	1006	0	128	0	224	0	0	1358	189	138	4877	225	132	189	6909
317 MECH/STRUCTS ANML PR	22	6.6	17.0	99	0	0	0	0	0	0	98	0	2	944	62	39	88	1214
318 NON COM BIOD TECH/BIM	1503	531.3	1988.6	7411	163	827	14024	179	8	12	22825	2243	38818	58875	3348	7884	5359	137949
SUBTOTAL			10384.9		2459		23228		899	589	101055	67188	349362	56244	42242			883525
	2553.4		58221		6099		9781					18863						
SERIES 400																		
401 NEW IMP FOREST PROD	275	116.1	332.3	184	1587	1201	974	0	0	351	4298	863	908	14253	339	3278	1912	25847
402 PROD F & V IMP ACCEP	288	50.5	174.1	933	0	474	0	42	0	0	1450	174	474	8080	319	1128	704	12310
403 NEW & IMP F & V PROD	189	56.1	177.7	1165	0	82	0	85	0	0	1311	112	171	7854	183	991	874	11298
404 MKT QUAL FRTS & VEGS	187	64.4	181.2	1588	0	442	0	51	0	0	2061	135	284	8322	148	1127	802	13380
405 PROD FLD CROP IMP ACC	268	77.2	359.2	1722	0	258	4	69	0	0	2052	675	982	13175	2281	2525	1438	23289
406 NEW IMP FOOD FLD CRO	155	45.9	169.3	1075	0	803	0	198	0	200	2274	97	458	5814	140	1184	1340	11105
407 NEW IMP NON FOOD FC	95	25.9	101.1	395	0	1036	179	68	0	92	1771	98	407	3415	433	892	340	7358
408 MKT QUAL FIELD CROPS	82	30.3	74.5	577	0	2	0	241	0	0	820	60	865	2751	93	409	286	5284
409 PROD ANML PR IMP ACC	164	57.1	241.1	2078	0	264	49	90	3	0	2484	174	348	8571	1820	1822	898	15178
410 IMP MEAT MILK EGG PR	242	82.5	322.2	1955	0	31	0	398	0	0	2384	280	695	8858	956	2993	2211	18178
411 IMP NON FOOD ANML PR	17	5.7	13.2	146	0	2	0	0	0	0	148	0	208	494	10	72	70	1000
412 MKT QUAL ANIMAL PROD	87	23.0	89.0	607	0	89	0	0	1	0	697	10	278	2979	157	878	333	5333
SUBTOTAL			2214.7		1587		1207		3	843	21750	2679	6052	84844	17298			150088
	834.6		12408		4663		1241											
SERIES 500																		
501 IMP GRADES & STANDS	49	10.4	27.8	310	0	29	0	0	0	0	339	81	80	1057	43	208	478	2285
502 MKTG TIMBER PRODUCTS	39	10.8	18.2	19	213	138	0	0	0	0	370	241	8	877	9	128	169	1800
503 MKTG EFF AGRI PRODS	144	40.2	77.1	1070	18	327	0	15	0	0	1430	385	489	3444	110	497	287	6822
506 SPLY DEMAND AND PRIC	196	60.3																

## NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	134	45.7	161.3	1215	0	2777	0	70	38	143	4241	52	1477	3482	503	429	500	10884
702 FOOD PROT FROM TOX	162	54.5	205.9	1408	0	879	0	152	24	58	2521	169	2854	6298	148	1578	925	14292
703 FOOD CONSUMP HABITS	141	39.4	112.5	758	0	94	0	883	0	0	1715	349	747	3244	210	777	183	7244
704 HOME COMM FOOD SERV	26	7.3	19.1	301	0	0	0	0	0	0	301	13	0	656	9	80	49	1109
705 SEL CARE CLOTH & TEX	84	17.5	49.6	293	0	0	0	508	0	0	801	45	38	1420	93	218	22	2638
706 CONTR INSECTS AFF MA	108	38.3	106.7	883	27	123	0	0	0	0	833	194	553	5508	149	870	378	8284
707 TRANS ANIML MAN OIS	35	8.0	39.6	49	0	0	0	0	1	0	51	16	1207	945	78	341	140	2779
708 HUMAN NUTRITION	388	129.1	547.5	2337	0	428	1790	1273	0	0	5828	556	7033	13980	888	2745	2782	33802
709 REDUCE HAZ HLTH & SF	71	17.8	42.4	228	0	0	0	0	0	0	228	24	805	2114	30	242	56	3499
SUBTOTAL		357.6	1284.8	7272	27	4302	1790	2888	81	202	18519	1418	14514	37889	2088	7080	5026	84331
SERIES 800																		
801 RURAL HOUSING	57	13.2	31.6	212	0	0	0	446	0	0	857	4	9	1072	57	328	45	2172
802 INDIV & FAM DEC MAKI	209	56.0	119.3	899	0	18	0	312	0	0	1229	34	643	4948	383	113	434	7782
803 RURAL POVERTY	22	4.2	18.8	50	0	42	0	39	0	0	131	25	32	195	109	43	142	678
804 ECON POTENT RURL PEO	95	25.2	58.2	587	19	100	0	553	0	0	1239	27	108	1639	108	152	73	3343
805 COMMUNICAT EDUC PROC	134	46.6	120.4	414	37	32	0	584	0	0	1088	37	339	4482	256	282	688	7110
806 ADJUSTMENT TO CHANGE	185	51.3	120.5	987	0	105	0	411	0	0	1483	129	1392	4388	172	422	138	8104
807 AGRIC ECONOMIC CHANG	148	56.3	108.9	1110	10	322	0	312	0	0	1755	222	93	5825	128	209	845	8878
808 GOVT PROGRAMS	48	16.4	42.4	323	8	1045	0	0	0	0	1373	150	13	1861	88	122	328	3933
SUBTOTAL		269.2	614.2	4541	72	1683	0	2856	0	0	8933	627	2630	24189	1300	1872	2469	41800
SERIES 900																		
901 ALLEY POLLUTION	531	179.7	678.9	3435	115	3594	0	298	0	134	7576	1137	8263	24417	900	4354	3393	48039
902 OUTDOOR RECREATION	132	44.0	97.8	285	337	24	0	0	0	0	646	470	1360	3360	84	397	957	7254
903 MULTI USE FOREST POT	114	25.9	87.8	156	887	0	0	0	0	0	1043	282	907	2457	192	262	910	6054
904 WLOLFE AND FISH ECOL	691	235.2	951.8	1791	928	3488	251	1615	87	0	8160	2601	9317	26437	1748	3991	9742	61995
905 TREES BEAUTIFICATION	95	21.2	65.2	362	150	0	42	99	0	0	654	80	75	2740	97	249	115	4009
906 ORNAMENT & TURF DEV	518	181.1	602.4	4375	6	393	21	497	0	0	5291	341	458	24441	843	3940	1818	37132
907 RURAL INCOME IMP	113	33.9	61.4	878	8	327	0	5	0	0	1219	95	135	3243	55	153	257	5157
908 RURAL INSTITUT IMP	135	30.6	84.6	958	21	231	0	257	0	68	1535	425	88	2327	124	272	469	5237
SUBTOTAL		751.6	2630.0	12240	2453	8058	313	2772	87	201	28124	5430	18601	89422	4021	13618	17661	174878
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		7686.0	27135.9	146893	16550	47605	31173	4995	2359	272848	54079	188606	950101	102362	112405			1807007

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FEO	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	180	48.3	208.6	1542	37	9	0	0	0	68	1656	371	687	5654	519	811	976	10673
0200 WATER	134	30.4	146.2	743	66	15	0	0	0	30	855	172	494	3870	254	637	735	7016
0300 WATERSHEDS RIVER BAS	31	9.5	27.1	139	17	34	0	0	0	0	191	71	134	1625	6	19	97	2143
0400 AIR AND CLIMATE	20	9.9	47.2	103	26	0	0	0	0	0	129	0	337	1398	47	347	114	2372
0500 RECREATION RESOURCES	23	4.9	14.6	83	64	0	0	0	0	0	147	124	51	569	19	14	185	1110
0600 TIMBER FORST PRODUCT	300	118.9	339.6	1082	2306	45	485	59	0	17	3992	1173	1161	14902	346	2506	1858	25938
0700 RANGE	3	0.5	2.7	20	0	0	0	0	0	0	20	2	13	31	56	10	0	132
0800 WILDLIFE AND FISH	179	46.0	268.8	549	379	675	0	228	15	0	1845	387	1485	4433	594	1194	2884	12803
0900 CITRUS SUB TROP FRUT	6	0.2	2.0	7	0	0	0	0	0	0	7	0	25	22	2	17	10	83
1000 FRUIT NUTS DECIDUOUS	192	76.0	350.7	2156	23	431	1	0	0	0	2611	533	249	8630	802	1006	1238	15068
1100 POTATOES	89	25.1	159.8	868	0	310	122	0	0	0	1300	472	92	2589	540	377	649	6019
1200 VEGETABLES	220	70.6	358.0	2024	0	269	123	103	0	0	2519	347	558	8215	606	628	1710	14583
1300 ORNAMENTALS TURF	105	35.1	142.5	1204	0	0	42	0	0	0	1246	114	99	4821	292	633	479	7682
1400 CORN	84	21.1	114.1	856	0	0	76	0	0	0	931	92	224	2551	223	249	281	4552
1500 GRAIN SORGHUM	4	0.9	1.3	31	0	0	0	0	0	0	31	0	4	46	1	1	12	96
1600 RICE	8	1.2	12.5	21	0	0	0	0	0	0	21	0	2	13	10	2	210	377
1700 WHEAT	33	8.0	35.0	253	0	0	33	0	0	0	286	21	20	991	138	164	119	1740
1800 OTHER SMALL GRAINS	25	6.9	25.7	138	0	0	1	0	0	0	139	47	159	610	85	155	59	1253
1900 PASTURE	8	1.4	5.9	81	0	0	0	0	0	0	81	18	2	123	37	0	8	269
2000 FORAGE CROPS	69	16.2	82.8	653	0	151	0	147	0	0	951	200	89	1857	237	440	237	4010
2100 COTTON	3	0.3	0.3	7	0	0	0	0	0	0	7	0	0	28	0	3	0	38
2200 COTTONSEED	1	0.0	0.0	0	0	0	0	0	0	0	0	5	0	2	0	1	0	8
2300 SOYBEANS	54	16.4	34.6	294	0	11	100	507	0	0	912	73	15	1532	106	67	49	2753
2400 PEANUTS	2	0.0	0.7	0	0	0	0	0	0	0	0	13	0	2	0	1	0	16
2500 OTHER OILSEED CROPS	4	1.5	3.5	66	0	0	0	0	0	0	66	0	35	92	0	1	0	195
2600 TOBACCO	17	8.0	10.5	130	0	0	0	0	0	0	130	24	29	984	9	3	2	1160
2700 SUGAR CROPS	1	0.0	0.1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3
2800 MISC NEW CROPS	10	1.3	34.4	24	0	0	0	0	0	0	24	0	586	261	160	45	43	1119
2900 POULTRY	185	55.7	259.5	2038	0	77	321	32	155	77	2699	188	672	9259	646	669	1457	15589
3000 BEEF CATTLE	81	15.6	82.4	586	0	122	332	14	34	171	1259	43	283	1837	461	108	397	4386
3100 DAIRY CATTLE	232	65.0	417.3	2470	0	514	229	47	186	0	3445	349	849	9064	1605	1186	2477	18975
3200 SWINE	58	12.6	67.8	336	0	18	145	0	79	0	577	15	150	1756	141	354	548	3542
3300 SHEEP AND WOOL	47	9.9	69.9	229	0	0	83	0	42	0	353	6	705	1398	216	47	320	3045
3400 OTHER ANIMALS	145	45.9	324.3	270	0	13	234	0	46	0	563	3	4643	3695	1186	539	2923	13552
3500 BEES AND HONEY	8	1.6	14.8	41	0	0	0	0	0	0	41	0	6	202	54	1	62	366
3600 FARM SUPP & FACILITS	25	7.5	18.7	161	0	10	0	0	0	0	171	14	1	838	27	117	88	1256
3700 CLOTHING & TEXTILES	20	3.6	15.1	47	0	0	0	90	0	0	138	0	35	214	95	78	12	570
3800 FOOD	96	38.7	111.8	1157	0	154	3	21	0	112	1447	65	314	2866	221	364	831	6108
3900 HOUSING & EQUIP	42	11.1	34.4	372	0	15	0	22	0	0	409	145	40	1104	116	151	97	2061
4000 PEOPLE AS INDIVIDUAL	177	60.0	332.2	749	0	120	423	31	0	0	1322	10	3530	4375	1051	900	2225	13413
4100 FAMILY MEMBERS	53	12.1	46.7	118	0	396	13	17	0	0	545	66	150	861	251	21	204	2098
4200 FARM AS BUSINESS	18	5.5	18.0	179	0	0	0	7	0	0	186	55	15	578	29	23	0	885
4300 SOC POLIT ORGANIZ	88	26.2	87.9	892	7	81	0	0	0	0	980	50	42	2122	188	287	473	4141
4400 AGRIC ECONOMY U S	18	4.2	11.1	129	0	0	0	0	0	0	129	23	8	432	52	9	19	672
4500 AGRIC ECONOMY FORGN	8	7.5	11.6	33	0	0	0	0	0	0	33	6	1499	406	17	2	61	2024
4600 FARM COOPERATIVES	4	0.8	6.3	24	0	19	0	0	0	0	44	10	0	80	18	15	41	209
4700 OTH MARKET PROCESS	3	0.4	8.6	4	0	0	0	0	0	0	4	0	0	52	36	35	0	127
4800 MARKETING SYSTEMS	11	2.4	3.3	41	0	19	0	1	0	0	62	2	0	205	15	1	26	311
6100 WEEDS	4	1.2	3.8	29	0	0	0	0	0	0	29	0	91	206	48	3	0	377
6200 SEED RESEARCH	9	3.2	11.6	27	0	0	0	0	0	0	27	0	0	345	25	13	84	494
6300 BIO CELL SYSTEMS	68	24.1	156.9	355	0	0	42	0	6	0	402	50	1805	1888	459	431	658	5691
6400 EXP DESIGN/STAT METH	28	6.2	23.0	88	16	6	0	0	0	0	110	5	179	489	92	77	343	1295
6500 INVERTEBRATES	124	29.3	124.4	554	147	63	992	0	21	12	1790	204	1154	2590	32	115	267	6152
6600 MICROORGANISMS VIRUS	119	26.8	186.5	833	55	47	1028	0	27	0	1791	105	1462	2222	356	505	479	6920
6700 PLANTS	147	39.9	158.6	1025	0	548	997	0	0	0	2570	405	704	2854	254	403	691	7881
6800 ANIMALS(VERTEBRATES)	102	43.9	136.6	483	0	257	203	0	28	0	971	87	3178	2078	571	241	478	7604
6900 RESEARCH ON RSCH MGM	7	2.0	2.4	39	64	0	0	0	0	0	102	0	1	140	0	2	18	264
7000 RSCH EQUIP & TECHNOL	33	10.4	44.9	60	8	9	0	0	0	0	77	30	732	1141	227	242	281	2731
TOTAL	1132.0		5219.7	26242	3215	4438	6027	1325	640	486	42373	6199	28794	121244	13582	16267	27492	255952

## SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER YRS	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
<b>SERIES 100</b>																		
101 APPRAIS OF SOIL RESO	29	8.9	32.1	313	0	0	0	0	0	21	335	85	73	1029	108	290	145	2064
102 SOIL PLNT WTR NUTRI	78	24.1	105.8	728	153	6	0	0	0	0	887	359	328	2416	246	310	571	5118
103 MGMT OF SALINE SOILS	1	0.1	0.2	0	0	0	0	0	0	0	3	0	0	34	2	0	0	39
104 ALTERN USE OF LAND	21	5.7	13.0	297	0	0	0	0	0	0	297	1	22	574	3	54	114	1066
105 CONSERV USE OF WATER	18	4.1	16.0	70	12	24	0	0	0	21	129	47	75	477	31	11	53	822
106 DRAIN AND IRRIGATION	7	2.1	14.1	27	0	0	0	0	0	0	27	0	14	334	30	84	7	494
107 WATERSHED PROT & MGM	23	5.0	33.4	173	3	17	0	0	0	0	193	120	219	672	201	21	76	1503
108 ECON LEG PROB OF WAT	8	2.3	2.1	49	0	0	0	0	0	0	49	0	17	142	0	0	27	235
109 WEATHER ADAPT & MOD	25	5.0	36.1	151	41	7	0	0	0	0	199	51	512	569	47	6	112	1497
110 APPRAIS FORST & RANG	26	6.8	11.5	57	188	0	0	0	0	0	243	63	40	406	4	291	227	1275
111 BIOD CULT MGMT FORST	64	28.3	93.7	108	595	0	182	0	0	17	902	136	330	3821	147	389	507	6233
112 IMPROV RANGE RESOR	1	0.5	1.2	9	0	0	0	0	0	0	9	0	13	27	56	0	0	105
113 REMOTE SENSING	16	4.2	7.5	28	18	0	0	0	0	0	47	6	150	384	2	98	106	792
114 RSCH ON MGMT OF RSCH	7	2.0	2.4	39	84	0	0	0	0	0	102	0	1	140	0	2	18	264
SUBTOTAL		99.1	369.3	1073	2049	54	183	0	0	60	3419	871	1795	11025	878	1555	1965	21507
<b>SERIES 200</b>																		
201 CNTRL FORST INSECTS	46	11.5	30.3	193	344	0	181	0	0	0	717	242	181	1341	6	77	92	2656
202 CONTROL FOREST OIS	34	9.9	32.2	248	253	0	98	0	0	0	599	129	21	986	53	167	22	1978
203 FOREST FIRE PROTECT	2	0.2	0.7	0	22	0	0	0	0	0	22	1	0	16	0	0	8	47
204 CNTR PESTS FRT & VEG	112	34.3	176.9	802	0	148	0	0	0	0	950	235	431	3420	323	446	750	6556
205 CNTR OISE FRT & VEG	131	37.4	253.4	1111	23	256	123	0	0	0	1514	489	205	4425	595	507	736	8470
206 CNTR WEEDS FRT & VEG	29	8.2	20.5	232	0	52	0	0	0	0	284	6	93	568	47	218	13	1228
207 CNTR PESTS FLO CROPS	55	14.2	61.4	414	0	71	115	203	0	0	803	156	70	1345	165	141	129	2807
208 CNTR OIS FIELD CROPS	50	13.6	68.4	438	0	19	11	0	0	0	467	63	9	1512	100	160	212	2523
209 CNTR WEEDS FLO CROPS	22	5.3	26.5	173	0	11	0	0	0	0	184	0	6	842	85	52	76	1245
210 CNTR PESTS ANIMALS	21	3.0	29.0	128	0	0	0	0	10	0	138	6	55	463	98	35	190	985
211 CNTR DIS ANIMALS	239	79.4	453.5	1053	0	416	252	32	422	0	2175	126	2921	9870	1452	1108	3947	21599
212 CNTR INTER PARASITES	9	1.8	18.5	86	0	0	0	4	12	0	102	5	143	219	147	18	37	670
213 PROT ANMLS FROM TOXI	13	4.6	30.9	71	0	0	0	0	0	0	71	0	212	641	28	16	344	1812
214 PROTECT FROM POLLUTI	56	17.4	74.6	456	138	368	50	0	0	0	1013	336	266	1998	51	337	455	4455
SUBTOTAL		238.9	1276.9	5405	781	1341	831	239	443	0	9039	1793	4612	27645	3151	3284	7509	57031
<b>SERIES 300</b>																		
301 GENET BREED FORST TR	21	13.4	43.8	105	148	0	87	0	0	0	318	107	20	2607	10	205	96	3364
302 IMP FOREST ENG SYS	8	1.7	7.3	0	23	0	0	0	0	0	23	8	12	240	0	60	125	468
303 ECON TIMBER PRODUCTN	11	3.0	3.1	13	112	0	0	0	0	0	125	3	0	151	2	0	12	293
304 IMP BIO EFF FRT & VE	155	58.0	265.4	1488	0	98	183	98	0	0	1864	510	385	6503	479	717	1097	11556
305 MECH PROD FRT & VEGS	9	3.3	10.5	213	0	6	0	0	0	0	220	0	0	456	4	25	115	821
306 PROD MGMT SYS F & V	27	7.9	59.0	178	0	43	0	7	0	0	227	28	2	963	132	25	245	1621
307 IMP BIO EFF FLO CRP	110	41.3	174.0	1102	0	30	241	451	0	0	1824	192	1144	3978	467	513	330	8447
309 PROD MGMT SYS FLO CR	14	4.8	24.5	251	0	0	0	0	0	0	261	62	15	522	75	34	218	1186
310 ANIMAL REPRODUCTION	96	31.8	190.8	973	0	45	1064	0	11	248	2329	175	1954	3726	862	148	603	9797
311 IMP BIO EFF ANML PR	189	62.1	346.2	2335	0	47	109	48	139	0	2678	144	4104	8309	1285	1046	958	18524
312 ENV STRESS IN ANML P	16	8.7	16.0	160	0	0	0	0	0	0	160	21	132	960	58	15	149	1496
313 PROD MGMT SYS ANML P	24	8.0	49.3	307	0	0	0	9	0	0	316	1	6	1035	220	150	268	1995
314 BEES OTH POLLNTNG IN	8	1.6	14.8	41	0	0	0	0	0	0	41	0	6	202	54	1	62	366
315 IMP STRUC FARM SUPP	31	12.6	34.6	389	0	0	0	0	0	0	389	145	37	1328	119	151	142	2311
316 FARM BUSINESS MGMT	14	3.3	14.1	94	0	0	0	7	0	0	101	46	15	329	25	22	0	538
318 NON COM BIO TECH/BIM	345	105.5	533.9	1522	97	4	2698	0	6	12	4339	461	5937	7110	1508	986	2265	22606
SUBTOTAL		364.9	1787.1	9180	378	273	4352	618	155	260	15215	1902	13770	38420	5297	4098	6886	85389
<b>SERIES 400</b>																		
401 NEW IMP FOREST PROD	47	30.4	75.5	48	312	38	85	0	0	0	483	145	182	4083	53	915	543	6404
402 PROD F & V IMP ACCEP	29	7.3	18.7	149	0	72	0	0	0	0	221	45	31	994	41	156	95	1582
403 NEW & IMP F & V PROD	26	10.9	39.8	240	0	0	0	0	0	0	240	9	0	1346	89	138	163	1986
404 MKT QUAL FRTS & VEGS	37	12.5	42.2	550	0	17	0	0	0	0	567	11	1	1526	95	201	368	2769
405 PROD FLO CROP IMP AC	16	4.4	25.6	117	0	0	4	0	0	0	121	42	39	623	36	83	214	1157
406 NEW IMP FOOD FLO CRO	9	3.7	15.1	61	0	0	0	0	0	0	61	24	0	191	13	51	154	494
407 NEW IMP NON FOOD FC	4	1.1	4.8	36	0	0	0	68	0	0	104	0	2	154	84	11	11	366
408 MKT QUAL FIELD CROPS	1	0.3	0.1	0	0	0	0	0	0	0	0	0	0	53	0	0	0	53
409 PROD ANML PR IMP ACC	25	8.3	47.0	404	0	120	23	0	2	0	550	2	56	1071	77	223	274	2252
410 IMP MEAT MILK EGG PR	37	14.5	96.0	332	0	1	0	0	0	0	332	101	53	973	132	276	1076	2943
411 IMP NON FOOD ANML PR	2	0.7	3.2	48	0	0	0	0	0	0	46	0	0	83	0	17	46	192
412 MKT QUAL ANIMAL PROD	9	2.0	4.4	60	0	0	0	0	0	0	60	0	5	245	0	50	32	392
SUBTOTAL		96.2	372.4	2042	312	247	112	68	2	0	2785	379	368	11342	621	2122	2976	20592
<b>SERIES 500</b>																		
501 IMP GRADES & STANDS	9	0.9	4.4	18	0	29	0	0	0	0	47	4	0	90	2	3	13	158
502 MKTG TIMBER PRODUCTS	2	0.1	0.1	4	8	0	0	0	0	0	10	0	0	9	0	1	0	21
503 MKTG EFF AGRI PRODS	17	3.7	16.7	101	0	130	0	0	0	0	231	10	0	353	49	2	100	744
506 SPLY DEMAND ANDO PRIC	28	6.5	20.1	235	0	0	0	0	0	0	235	77	11	864	90	10	30	1317
507 COMP REL IN AGRIC	4	1.9	4.4	30	0	0	0	0	0	0	30	0	0	163	17	0	43	253
508 DOMESTIC MKT DEVELP	6	1.6	8.2	43	0	0	0	0	0	0	43	0	0	138	10	0	125	316
509 PERFORMANCE MKTG SYS	20	7.7	21.7	279	0	58	0	0	0	0	337	9	0	512	61	37	113	1070
510 GROUP ACT MKT POWER	6	1.3	6.7	32	0	39	0	0	0	0	71	13	0	113	18	15	42	273
511 IMP AGRIC STATISTICS	8	1.0	3.3	31	7	8	0	0	0	0	44	5	0	96	2	0	27	174
512 IMP GRADES FRST PROD	1	0.1	0.1	0	0	0	12	0	0	0	12	0	0	12	0	0	0	24
513 PRICE ANAL FRST PROD	3	0.4	0.0	4	10	0	0	0	0	0	15	0	0	26	0	24	2	67
SUBTOTAL		25.2	85.9	778	24	261	12	1	0	0	1075	117	12	2375	250	93	494	4416
<b>SERIES 600</b>																		
601 FGN MKT DEVELP	13	2.0	8.8	79	0	21	0	0	0	0	100							

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	38	17.7	61.4	737	0	808	0	0	0	54	1599	41	110	1036	334	145	208	3472
702 FOOD PROT FROM TOX	24	5.6	19.9	242	0	70	0	0	24	58	395	10	86	594	9	184	57	1336
703 FOOD CONSUMP HABITS	31	6.8	35.9	243	0	89	0	14	0	0	346	71	10	632	161	9	64	1292
704 HOME COMM FOOD SERV	6	2.3	7.2	61	0	0	0	0	0	0	61	0	0	182	0	24	16	284
705 SEL CARE CLOTH & TEX	17	3.0	14.2	43	0	0	0	22	0	0	65	0	35	190	79	78	12	458
706 CONTR INSECTS AFF MA	30	10.1	19.8	198	0	72	0	0	0	0	269	0	33	846	51	10	106	1316
707 TRANS ANIML MAN OIS	10	3.8	24.1	5	0	0	0	0	0	0	5	6	777	331	72	184	104	1478
708 HUMAN NUTRITION	83	25.7	212.8	653	0	423	498	24	0	0	1586	171	2455	1782	602	461	1705	8772
709 REDUCE HAZ HLTH & SF	11	2.3	9.9	42	0	0	0	0	0	0	42	0	248	345	1	51	4	691
SUBTOTAL		77.4	405.2	2225	0	1462	498	60	24	112	4378	298	3754	5937	1311	1146	2275	19098
SERIES 800																		
801 RURAL HOUSING	13	2.8	9.0	31	0	0	0	22	0	0	53	0	4	159	22	222	19	478
802 INDIV & FAM DEC MAKI	52	17.5	58.1	157	0	0	0	0	0	0	157	6	258	1236	324	0	263	2244
803 RURAL POVERTY	3	0.9	11.4	4	0	0	0	0	0	0	4	0	0	9	102	0	131	246
804 ECON POTENT RURL PEO	25	7.0	17.8	220	0	28	0	31	0	0	279	12	11	406	78	0	39	825
805 COMMUNICAT EDUC PROC	63	17.7	75.0	286	0	32	0	0	0	0	317	5	234	1150	238	251	462	2657
806 ADJUSTMENT TO CHANGE	16	6.5	17.6	73	0	0	0	0	0	0	73	0	99	403	47	0	49	671
807 AGRIC ECONOMIC CHANG	12	5.1	12.6	136	0	0	0	0	0	0	136	13	0	512	28	42	7	739
808 GOVT PROGRAMS	4	1.8	2.2	21	0	0	0	0	0	0	21	0	0	225	1	0	0	247
SUBTOTAL		59.3	203.8	927	0	60	0	53	0	0	1039	36	605	4100	840	516	970	8107
SERIES 900																		
901 ALLEY POLLUTION	148	63.4	250.4	1224	54	39	0	0	0	55	1372	99	757	8864	282	1464	1003	13842
902 OUTDOOR RECREATION	18	4.3	11.2	60	53	0	0	0	0	0	113	114	31	502	19	15	180	973
903 MULTI USE FOREST POT	22	4.6	12.6	4	211	0	0	0	0	0	215	28	172	453	2	100	93	1062
904 WOLFE AND FISH ECOL	153	37.1	228.5	449	263	629	0	228	15	0	1583	393	1302	3533	494	1020	2473	10798
905 TREES BEAUTIFICATION	15	4.1	16.3	121	66	0	42	59	0	0	289	26	1	594	41	10	26	987
906 ORNAMENT & TURF DEV	98	30.6	129.7	1049	0	0	0	0	0	0	1049	96	97	4267	292	633	478	6912
907 RURAL INCOME IMP	26	8.5	20.4	371	0	28	0	0	0	0	400	35	7	825	12	79	34	1392
908 RURAL INSTITUT IMP	38	7.5	27.3	203	0	24	0	0	0	0	227	3	5	536	32	132	243	1178
SUBTOTAL		160.2	696.4	3482	647	720	42	287	15	55	5249	795	2372	19574	1173	3453	4529	37143
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		1132.0	5219.7	26242	3215	4438	6027	1325	640	486	42373	6199	28794	121244	13582	16267	27492	255952



TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	316	108.6	371.7	2176	198	176	0	716	0	31	3296	659	1838	12147	1019	1313	2506	22779
0200 WATER	193	56.9	190.7	1122	46	51	0	241	0	8	1467	467	1025	7186	414	1263	1141	12963
0300 WATERSHEDS RIVER BAS	48	15.8	35.2	166	46	41	0	183	0	8	445	73	164	1227	59	257	546	2771
0400 AIR AND CLIMATE	19	6.0	9.2	47	0	0	0	12	0	0	59	49	51	731	24	81	16	1012
0500 RECREATION RESOURCES	35	11.6	20.9	64	140	0	0	0	0	0	204	161	103	844	39	69	260	1680
0600 TIMBER FORST PRODUCT	442	202.3	569.8	302	5002	828	608	309	0	157	7204	4276	1906	21001	783	3728	3817	42716
0700 RANGE	56	19.6	82.6	648	0	22	0	0	0	0	670	468	29	2526	977	285	42	4996
0800 WILDLIFE AND FISH	318	122.7	471.4	1013	541	2235	100	1521	50	0	5460	853	3726	13890	898	2056	5334	32217
0900 CITRUS SUB TROP FRUT	161	79.7	259.8	960	0	485	122	77	0	0	1644	629	282	11019	185	975	200	14935
1000 FRUIT NUTS DECIDUOUS	292	94.1	362.0	2428	0	436	0	482	0	0	3346	175	234	15480	773	846	408	21063
1100 POTATOES	47	10.8	42.7	204	0	16	0	33	0	0	253	17	739	1836	43	185	78	3151
1200 VEGETABLES	502	199.8	685.3	4103	0	1273	93	1904	0	0	7373	364	1379	27797	1133	1917	917	40880
1300 ORNAMENTALS TURF	235	102.8	326.0	2554	0	172	0	506	0	0	3233	59	122	13480	517	1935	446	19791
1400 CORN	244	48.8	181.2	953	0	18	174	267	0	0	1412	367	1502	6747	529	777	440	11775
1500 GRAIN SORGHUM	154	34.4	137.1	688	0	163	1	74	0	0	923	273	978	4258	652	366	339	7790
1600 RICE	100	39.8	167.4	461	0	190	0	0	0	0	651	398	961	5061	343	1311	2292	11018
1700 WHEAT	207	50.8	172.7	1101	0	55	71	26	0	0	1253	241	473	6745	366	647	461	10187
1800 OTHER SMALL GRAINS	62	10.1	36.4	198	0	0	0	114	0	0	312	39	482	1424	68	149	95	2568
1900 PASTURE	64	17.6	77.2	562	0	25	0	0	0	0	587	17	34	2384	312	86	71	3491
2000 FORAGE CROPS	287	88.5	321.1	2408	0	146	0	362	0	0	2916	367	188	13048	1370	617	252	18759
2100 COTTON	249	87.0	296.2	1786	0	531	18	0	0	0	2335	402	462	10532	1089	1319	1095	17234
2200 COTTONSEED	5	0.4	1.5	2	0	0	0	0	0	0	2	1	16	76	1	13	0	109
2300 SOYBEANS	384	109.4	360.0	2485	0	562	43	1511	0	0	4600	350	538	13674	720	1120	1638	22641
2400 PEANUTS	143	43.2	163.2	724	0	90	0	126	0	0	940	237	961	6064	311	583	824	9921
2500 OTHER OILSEED CROPS	16	3.5	10.6	45	0	0	0	182	0	0	207	2	17	404	4	16	27	677
2600 TOBACCO	119	41.3	157.7	707	0	24	0	0	0	0	732	112	76	7860	227	275	738	10019
2700 SUGAR CROPS	68	27.1	93.2	981	0	1	0	0	0	0	982	47	10	3649	222	642	203	5755
2800 MISC NEW CROPS	48	13.1	72.6	496	0	158	0	76	0	0	730	151	68	1654	115	240	55	3012
2900 POULTRY	280	115.7	442.7	2718	0	911	139	671	240	0	4678	274	496	19573	836	1467	800	28125
3000 BEEF CATTLE	503	174.5	786.1	3857	0	879	638	448	447	0	6269	911	2373	33852	5510	2459	1547	52921
3100 DAIRY CATTLE	346	107.4	486.6	3428	0	251	118	158	220	0	4176	290	618	19286	3091	2288	1452	31200
3200 SWINE	222	69.3	264.7	2153	0	159	278	903	157	0	3650	149	456	10745	1175	618	630	17423
3300 SHEEP AND WOOL	92	21.6	85.8	681	0	236	0	0	20	0	938	91	288	3139	444	447	180	5529
3400 OTHER ANIMALS	185	77.7	206.5	594	0	364	24	3198	291	0	4472	120	735	8202	799	1433	879	16639
3500 BEES AND HONEY	11	2.8	10.0	13	0	2	38	130	0	0	182	176	2	446	115	5	0	927
3600 FARM SUPP & FACILITS	26	7.6	20.3	147	8	0	0	33	0	0	187	46	86	1010	26	75	56	1486
3700 CLOTHING & TEXTILES	31	8.8	17.6	129	0	0	0	473	0	0	602	0	1	594	12	67	0	1276
3800 FOOD	88	38.2	101.8	663	0	10	11	788	0	90	1562	179	417	4144	162	867	409	7741
3900 HOUSING & EQUIP	49	19.3	43.0	458	6	30	0	249	0	0	743	116	18	2115	76	163	93	3324
4000 PEOPLE AS INDIVIDUAL	116	39.0	99.7	588	7	43	213	1644	0	0	2495	19	611	3568	72	145	218	7129
4100 FAMILY MEMBERS	47	12.4	19.2	273	0	0	0	352	0	0	625	0	21	823	16	1	0	1486
4200 FARM AS BUSINESS	77	34.2	66.9	547	0	129	0	315	0	0	990	83	79	3071	81	77	33	4414
4300 SOC POLIT ORGANIZ	80	36.0	69.1	547	10	229	0	947	0	0	1733	140	67	2446	100	193	108	4787
4400 AGRIC ECONOMY U S	51	26.0	59.1	391	10	261	0	17	0	0	678	263	141	2502	103	399	184	4270
4500 AGRIC ECONOMY FORGN	8	3.0	2.7	15	0	10	0	0	0	0	25	19	1	311	0	2	1	359
4600 FARM COOPERATIVES	7	0.8	0.9	17	0	0	0	0	0	0	17	13	0	46	0	0	0	76
4700 OTH MARKET PROCESS	10	2.4	7.0	61	18	0	0	55	0	0	134	14	5	226	2	7	8	396
4800 MARKETING SYSTEMS	19	8.0	18.7	87	0	0	0	258	0	0	345	18	23	636	10	0	167	1199
6100 WEEDS	50	12.1	41.0	309	6	38	4	18	0	0	374	91	92	1785	24	203	97	2665
6200 SEED RESEARCH	13	3.7	6.8	40	0	0	0	0	0	0	40	1	9	426	27	21	26	550
6300 BIO CELL SYSTEMS	67	31.5	91.1	330	0	0	218	179	0	0	726	111	2505	3083	65	350	285	7126
6400 EXP DESIGN/STAT METH	20	10.7	17.0	82	0	0	0	0	0	0	82	22	303	986	16	17	49	1475
6500 INVERTEBRATES	134	48.5	106.5	605	0	77	953	63	0	0	1698	169	672	5783	114	293	279	9008
6600 MICROORGANISMS VIRUS	153	47.6	147.9	965	0	24	737	22	5	0	1753	250	2267	5318	121	851	220	10778
6700 PLANTS	208	76.5	250.3	869	9	447	1052	46	0	99	2522	1029	1915	9035	303	3116	1252	19173
6800 ANIMALS (VERTEBRATES)	88	43.4	136.6	368	4	113	200	501	40	0	1227	133	1157	5444	206	914	666	9747
6900 RESEARCH ON RSCH MGM	10	2.7	3.6	112	0	32	0	0	0	0	144	0	9	287	0	30	10	480
7000 RSCH EQUIP & TECHNOL	27	10.8	31.6	103	52	548	0	153	0	0	856	188	556	938	50	119	133	2840
TOTAL		2737.9	9316.2	50532	6102	12492	5849	20320	1471	393	97160	16172	34286	362562	26752	39497	34027	610456

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
<b>SERIES 100</b>																		
101 APPRAIS OF SOIL RESO	88	31.1	88.8	884	38	21	0	0	0	0	721	98	393	3071	125	262	945	5614
102 SOIL PLNT WTR NUTRI	298	108.0	379.3	2084	309	128	0	727	0	15	3241	771	817	12912	1148	1834	1777	22499
103 MGMT OF SALINE SOILS	23	6.1	28.3	95	22	0	0	105	0	0	223	10	103	843	121	49	80	1429
104 ALTERN USE OF LAND	24	7.8	15.8	105	2	0	0	41	0	0	148	16	40	791	54	6	338	1392
105 CONSERV USE OF WATER	103	33.1	113.0	595	9	82	0	229	0	8	902	285	472	4024	253	828	391	8954
106 DRAIN AND IRRIGATION	30	9.8	34.9	212	0	4	0	13	0	0	230	128	87	1371	38	133	156	2122
107 WATERSHED PROT & MGM	55	23.5	72.1	382	74	0	0	0	0	0	457	340	323	2545	200	653	588	5106
108 ECON LEG PROB OF WAT	18	5.7	10.0	187	3	0	0	0	0	0	169	40	93	531	58	16	8	913
109 WEATHER ADAPT & MOD	38	14.5	27.3	189	12	0	0	24	0	0	235	202	198	1726	105	138	133	2734
110 APPRAIS FORST & RANG	34	10.5	24.3	48	259	5	0	0	0	0	310	273	260	794	207	88	219	2149
111 BIOL CULT MGMT FORST	138	57.4	158.1	25	1758	3	231	77	0	0	2098	1854	493	5318	296	898	468	11220
112 IMPROV RANGE RESOR	45	14.7	82.4	522	0	22	0	0	0	0	545	269	3	1913	682	173	42	3827
113 REMOTE SENSING	18	7.5	18.3	14	118	0	0	98	0	0	228	189	395	689	23	97	17	1817
114 RSCH ON MGMT OF RSCH	9	2.7	3.5	111	0	32	0	0	0	0	144	0	8	283	0	30	10	478
SUBTOTAL	332.4	1033.9	5203	2802	278	231	1312	0	23	9847	4478	3865	38789	3303	4798	5171	87851	
<b>SERIES 200</b>																		
201 CNTRL FORST INSECTS	37	10.5	38.3	51	229	0	199	0	0	0	479	599	49	1282	50	27	90	2578
202 CONTROL FOREST DIS	38	13.8	31.6	84	394	0	22	0	0	0	480	145	240	1207	31	161	228	2491
204 CNTR PESTS FRT & VEG	148	44.8	151.9	842	0	375	6	138	0	0	1362	27	105	8331	247	508	187	8747
205 CNTR DISE FRT & VEG	240	92.8	311.9	1582	0	524	0	74	0	99	2280	711	233	13288	358	723	368	17958
208 CNTR WEEDS FRT & VEG	81	15.3	53.4	373	0	62	0	140	0	0	575	18	10	2332	99	131	63	3227
207 CNTR PESTS FLD CROPS	289	95.8	320.8	2143	0	704	108	484	0	0	3417	549	851	11022	852	1483	851	18804
208 CNTR DIS FIELD CROPS	301	113.4	352.8	2378	0	398	18	77	0	0	2889	588	966	13560	889	2125	1743	22540
209 CNTR WEEDS FLD CROPS	133	51.5	188.4	1488	0	448	10	0	0	0	1948	95	157	6875	512	1034	1194	11812
210 CNTR PESTS ANIMALS	56	20.5	63.3	318	4	280	0	0	93	0	698	88	230	2795	153	151	286	4397
211 CNTR DIS ANIMALS	310	155.2	405.0	1081	0	843	247	143	981	0	3298	1014	1992	23857	1633	2536	1912	38241
212 CNTR INTER PARASITES	49	15.2	44.8	211	0	153	0	0	63	0	427	1	136	2028	173	480	116	3342
213 PROT ANMLS FROM TOXI	39	17.7	71.2	230	0	84	0	46	130	0	490	39	429	3086	222	303	114	4682
214 PROTECT FROM POLLUTI	86	25.1	68.8	246	46	122	0	288	10	0	693	557	966	2734	49	328	204	5531
SUBTOTAL	671.0	2087.5	11008	673	3993	607	1351	1277	99	19009	4427	90396	9949	142348				
<b>SERIES 300</b>																		
301 GENET BREED FORST TR	34	25.9	88.4	23	504	0	82	158	0	0	747	92	409	1719	66	230	1539	4802
302 IMP FOREST ENG SYS	18	8.2	18.0	10	91	260	0	0	0	0	361	22	38	727	38	151	22	1357
303 ECON TIMBER PRODUCTN	33	11.2	30.1	0	408	4	0	0	0	0	410	97	18	1889	31	292	69	2805
304 IMP BIO EFF FRT & VE	334	136.4	539.8	2753	0	444	208	1874	0	0	5078	315	885	20529	1027	2027	534	30198
305 MECH PROD FRT & VEGS	43	9.2	31.5	289	0	30	0	0	0	0	299	7	12	1585	39	132	19	2074
306 PROD MGMT SYS F & V	52	14.2	38.3	349	0	152	0	78	0	0	579	25	39	1590	67	88	29	2398
307 IMP BIO EFF FLD CRP	503	204.5	881.2	4120	0	180	340	1108	0	0	5749	1245	1835	31450	2895	2741	3248	48763
308 MECH PROD FLD CROP	47	18.7	55.5	480	0	0	0	0	0	0	460	182	79	2387	107	531	216	3962
309 PROD MGMT SYS FLD CR	186	54.0	171.9	1107	0	87	7	284	0	0	1465	207	102	8902	862	713	781	11033
310 ANIMAL REPRODUCTION	183	75.4	381.7	2723	0	112	889	1123	65	0	4712	136	822	13891	1798	704	702	22768
311 IMP BIO EFF ANML PR	398	175.9	868.3	5248	0	284	328	3234	39	0	9134	502	881	31984	4979	2876	1564	51921
312 ENV STRESS IN ANML PR	70	20.8	88.1	553	0	0	0	74	31	0	658	10	107	3415	882	282	136	5291
313 PROD MGMT SYS ANML PR	111	22.1	127.9	887	0	223	0	81	0	0	970	82	18	5285	1268	119	179	7900
314 BEES OTH POLLNTNG IN	11	2.8	10.0	13	0	2	38	130	0	0	182	176	2	446	115	5	0	927
315 IMP STRUC FARM SUPP	27	11.6	23.0	228	0	0	0	33	0	0	258	82	21	1409	28	87	38	1883
316 FARM BUSINESS MGMT	62	27.8	54.2	438	0	129	0	217	0	0	783	87	79	2488	75	81	30	3584
317 MECH/STRUCT ANML PR	14	5.8	13.8	88	0	0	0	0	0	0	88	0	0	787	36	38	60	1010
318 NON COM BIO TECH/BIM	337	132.1	408.6	1807	43	804	2841	179	135	0	5274	435	6483	15809	318	1610	835	30764
SUBTOTAL	954.8	3782.4	20854	1044	2492	4513	8372	135	0	37211	3664	11426	144252	14230	12650	10002	233435	
<b>SERIES 400</b>																		
401 NEW IMP FOREST PROD	97	40.3	135.3	12	680	538	137	0	0	157	1523	310	213	5730	77	1764	843	10259
402 PROD F & V IMP ACCEP	100	14.9	57.2	372	0	120	0	42	0	0	534	3	15	2445	109	162	54	3323
403 NEW & IMP F & V PROD	59	20.3	72.8	490	0	8	0	85	0	0	582	81	25	3280	88	183	241	4459
404 MKT QUAL FRTS & VEGS	59	19.2	55.3	482	0	141	0	51	0	0	854	8	239	2902	39	151	88	4079
405 PROD FLD CROP IMP ACC	98	24.4	98.1	430	0	8	0	69	0	0	505	52	68	4272	383	484	197	5919
406 NEW IMP FOOD FLD CRO	53	13.1	37.4	278	0	0	0	198	0	0	472	2	168	1669	34	255	272	2872
407 NEW IMP NON FOOD FC	28	10.5	46.0	211	0	83	0	0	0	0	273	85	219	1399	88	154	81	2300
408 MKT QUAL FLD CROPS	42	11.5	33.1	323	0	0	0	241	0	0	564	34	63	1413	32	103	29	2239
409 PROD ANML PR IMP ACC	68	22.3	82.8	710	0	144	28	90	0	0	970	3	60	3620	656	620	152	8081
410 IMP MEAT MILK EGG PR	87	32.7	109.0	647	0	30	0	398	0	0	1075	23	74	3614	264	733	640	8423
411 IMP NON FOOD ANML PR	5	0.9	1.7	38	0	2	0	0	0	0	38	0	2	88	1	0	0	129
412 MKT QUAL ANIMAL PROD	38	9.7	40.2	215	0	0	0	0	1	0	218	1	75	1875	105	315	204	2592
SUBTOTAL	219.8	788.7	4183	680	1049	183	1173	1	157	7405	599	1219	32088	1856	4905	2602	50674	
<b>SERIES 500</b>																		
501 IMP GRADES & STANDS	23	5.4	9.9	150	0	0	0	0	0	0	150	52	32	803	30	20	337	1224
502 MKTG TIMBER PRODUCTS	20	3.9	7.8	15	140	0	0	0	0	0	155	92	8	313	9	78	79	731
503 MKTG EFF AGRI PRODS	48	12.1	23.2	387	18	43	0	15	0	0	464	108	17	1095	9	12	49	1755
506 SPLY DEMAND AND PRIC	77	27.1	84.6	821	0	258	0	269	0	0	1348	201	140	2182	88	490	117	4548
507 COMP REL IN AGRIC	28	5.3	8.1	168	0	0	0	89	0	0	235	11	2	522	11	3	28	812
508 DOMESTIC MKT DEVELP	24	4.3	15.2	85	0	0	0	248	0	0	333	51	19	414	3	104	28	951
509 PERFORMANCE MKTG SYS	44	15.0	32.5	384	0	0	0	298	0	0	860	83	51	1252	23	20	180	2270
510 GROUP ACT MKT POWER	2	0.3	0.1	3	0	0	0	0	0	0	3	0	0	19	0	0	0	22
511 IMP AGRIC STATISTICS	7	1.4	1.8	20	0	0	0	0	0	0	20	22	0	133	15	8	3	200
512 IMP GRADES FRST PROD	2	0.2	0.5	0	89	0	0	0	0	0	4	0	0	24	0	0	0	

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPRT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FEO	STATE APPRO	PROO SALE	IND -TRY	DTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	35	9.9	27.3	189	0	855	0	70	19	90	1222	3	137	723	55	68	61	2269
702 FOOD PROT FROM TOX	52	18.0	87.6	316	0	542	0	152	0	0	1010	78	803	2224	44	185	225	4366
703 FOOD CONSUMP HABITS	42	13.0	31.3	92	0	0	0	838	0	0	928	148	114	726	28	370	72	2381
704 HOME COMM FOOD SERV	4	0.8	2.8	10	0	0	0	0	0	0	10	0	0	77	4	5	2	98
705 SEL CARE CLOTH & TEX	28	8.7	14.8	100	0	0	0	473	0	0	573	0	1	396	10	35	0	1015
706 CONTR INSECTS AFF MA	31	10.3	32.0	286	0	51	0	0	0	0	337	108	92	1536	49	258	110	2490
707 TRANS ANIML MAN DIS	10	1.8	5.9	12	0	0	0	0	0	0	12	0	148	212	5	16	29	423
708 HUMAN NUTRITIDN	89	32.5	101.8	424	0	0	234	682	0	0	1320	0	742	4586	106	662	217	7833
709 REDUCE HAZ HLTH & SF	27	8.4	15.5	64	0	0	0	0	0	0	84	14	396	831	17	75	39	1437
SUBTOTAL		96.9	298.5	1493	0	1448	234	2192	19	90	5476	347	2234	11312	316	1674	755	22113
SERIES 800																		
801 RURAL HOUSING	25	5.9	15.1	147	0	0	0	410	0	0	557	0	5	453	21	86	0	1101
802 INDIV & FAM DEC MAKI	35	8.9	12.8	178	0	0	0	297	0	0	475	0	1	497	7	0	5	986
803 RURAL POVERTY	10	1.3	3.4	21	0	24	0	39	0	0	83	0	3	93	3	0	11	194
804 ECON POTENT RURL PEO	32	8.6	21.2	144	0	71	0	522	0	0	738	0	28	380	13	2	1	1162
805 COMMUNICAT EDUC PROC	14	11.9	23.1	6	15	0	0	584	0	0	605	14	0	1209	5	0	151	1984
806 ADJUSTMENT TO CHANGE	45	14.1	32.1	312	0	0	0	382	0	0	695	7	2	1047	50	162	15	1977
807 AGRIC ECONOMIC CHANG	43	20.3	32.6	299	10	0	0	310	0	0	618	14	71	1742	11	4	152	2612
808 GOVT PROGRAMS	17	6.6	24.2	155	0	210	0	0	0	0	365	70	0	881	75	53	12	1456
SUBTOTAL		77.8	164.6	1263	25	304	0	2544	0	0	4135	105	109	6303	185	287	349	11472
SERIES 900																		
901 ALLEY POLLUTION	133	47.4	181.6	979	36	227	0	298	0	24	1563	413	1003	5525	328	882	814	10530
902 OUTDOOR RECREATION	36	11.3	20.3	69	105	0	0	0	0	0	174	166	72	936	32	31	191	1602
903 MULTI USE FOREST PDT	39	9.0	41.4	8	213	0	0	0	0	0	221	170	530	927	107	86	430	2471
904 WLOLFE AND FISH ECOL	263	105.0	406.3	744	451	2087	100	1388	39	0	4810	793	3047	12047	803	1681	4821	28001
905 TREES BEAUTIFICATION	26	8.9	20.1	101	12	0	0	40	0	0	153	27	3	876	31	107	3	1200
906 ORNAMENT & TURF DEV	211	85.8	274.5	2082	0	162	0	497	0	0	2742	57	98	11375	352	1555	367	16544
907 RURAL INCOME IMP	20	9.6	14.2	183	3	58	0	0	0	0	244	5	31	889	9	21	23	1222
908 RURAL INSTITUT IMP	29	8.0	16.3	202	0	78	0	257	0	0	535	109	23	531	27	8	33	1266
SUBTOTAL		282.9	954.9	4370	819	2610	100	2480	39	24	10442	1740	4807	33105	1690	4371	6681	62835
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		2737.9	9318.2	50532	6102	12492	5849	20320	1471	393	97160	16172	34288	362562	26752	39497		610456

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	352	106.0	362.3	2175	29	1009	0	16	0	40	3270	1161	4461	12858	1253	3001	1551	27555
0200 WATER	170	43.4	120.3	736	13	1074	0	0	0	14	1837	669	831	5410	330	417	387	9880
0300 WATERSHEDS RIVER BAS	24	5.3	19.9	108	73	49	0	0	0	0	230	85	77	676	37	27	54	1186
0400 AIR AND CLIMATE	46	12.6	39.3	386	6	11	0	0	0	0	404	24	510	1293	137	67	326	2760
0500 RECREATION RESOURCES	29	7.5	22.0	49	70	15	0	0	0	0	133	91	308	831	6	32	271	1673
0600 TIMBER FORST PRODUCT	338	108.3	327.9	639	2761	929	867	0	0	56	5253	728	837	10528	410	1599	2817	22172
0700 RANGE	47	18.0	46.5	346	7	141	0	83	0	0	578	2	428	1659	602	54	179	3501
0800 WILDLIFE AND FISH	101	29.9	140.3	395	108	103	54	0	7	0	666	410	3134	3797	332	1222	1245	10806
0900 CITRUS SUB TROP FRUIT	4	0.5	1.0	7	0	0	0	22	0	0	29	2	0	21	0	3	3	59
1000 FRUIT NUTS DECIDUOUS	147	39.8	147.5	1131	3	455	66	22	0	53	1731	278	150	5934	254	1103	686	10137
1100 POTATOES	91	25.0	98.8	630	0	625	43	0	0	0	1288	475	161	3194	28	401	500	6057
1200 VEGETABLES	233	67.8	241.9	2059	0	486	65	275	0	134	3021	299	647	7993	491	1406	870	14727
1300 ORNAMENTALS TURF	109	33.7	112.5	769	14	1	21	0	0	0	805	85	137	4407	123	1302	492	7350
1400 CORN	449	115.7	439.7	3185	0	399	479	0	0	113	4174	806	1416	13438	1327	4892	2249	28303
1500 GRAIN SORGHUM	88	24.9	67.9	304	0	9	0	0	0	0	313	19	1068	2448	295	251	308	4700
1600 RICE	18	5.8	20.3	59	0	18	2	0	0	0	80	24	0	1054	13	166	97	1435
1700 WHEAT	249	83.3	246.3	1558	0	351	177	0	0	0	2086	282	1209	8072	1277	821	1302	15049
1800 OTHER SMALL GRAINS	125	33.4	141.3	760	0	24	0	0	0	0	784	267	289	3985	952	1185	561	8024
1900 PASTURE	12	1.4	8.6	99	0	34	0	0	0	0	134	0	0	189	142	35	12	511
2000 FORAGE CROPS	187	43.5	165.7	1578	0	88	27	0	0	0	1694	340	574	5951	1055	760	474	10849
2100 COTTON	7	1.2	4.3	35	0	0	0	0	0	0	35	0	3	168	256	11	0	473
2300 SOYBEANS	362	80.9	310.3	2219	0	834	164	111	0	0	3328	393	734	9525	2591	3010	1358	20940
2400 PEANUTS	1	0.2	0.8	13	0	0	0	0	0	0	13	0	0	35	0	2	5	55
2500 OTHER OILSEED CROPS	89	15.6	49.4	302	0	225	0	0	0	319	847	378	48	1379	180	115	168	3113
2600 TOBACCO	8	2.2	8.6	20	0	0	50	0	0	0	70	0	69	267	0	7	3	436
2700 SUGAR CROPS	23	6.8	23.8	137	0	142	0	0	0	0	278	1	7	775	93	320	77	1552
2800 MISC NEW CROPS	37	6.9	27.0	202	0	1372	0	0	0	0	1574	60	85	810	85	348	139	3101
2900 POULTRY	200	57.7	237.5	1835	0	300	340	0	67	0	2541	71	840	8261	1182	1170	866	14932
3000 BEEF CATTLE	436	122.0	594.0	3190	0	940	814	168	421	0	5533	993	1276	17020	13317	2134	728	41002
3100 DAIRY CATTLE	391	104.7	468.1	3395	0	644	346	0	445	0	4830	257	1914	15791	4251	4737	832	32612
3200 SWINE	442	121.9	503.1	3422	0	890	823	153	424	0	5713	2222	1664	17242	4857	2104	3272	37074
3300 SHEEP AND WOOL	105	26.4	175.9	895	0	0	378	156	52	0	1281	1504	483	4480	962	160	292	9163
3400 OTHER ANIMALS	184	43.1	126.0	273	0	43	127	264	66	0	773	88	3242	2928	576	602	1167	9377
3500 BEES AND HONEY	6	1.4	5.2	55	0	0	0	0	0	0	55	1	13	243	0	11	54	377
3600 FARM SUPP & FACILITS	24	9.4	30.1	317	0	162	0	0	0	0	479	121	127	933	305	292	63	2321
3700 CLOTHING & TEXTILES	25	6.1	15.6	161	0	0	0	13	0	0	174	0	0	587	4	103	10	879
3800 FOOD	164	57.8	187.6	1747	0	777	112	27	0	0	2663	583	2625	6415	237	2256	879	15659
3900 HOUSING & EQUIP	27	8.2	20.4	194	46	0	0	13	0	0	253	1	6	973	99	92	38	1463
4000 PEOPLE AS INDIVIDUAL	154	38.0	91.6	674	0	161	356	260	0	0	1451	18	804	4519	46	620	147	7606
4100 FAMILY MEMBERS	117	33.4	79.3	648	0	43	0	23	0	0	714	15	1438	3237	98	206	108	5816
4200 FARM AS BUSINESS	73	20.0	40.0	656	3	0	0	2	0	0	661	28	44	2118	137	79	110	3177
4300 SOC POLIT ORGANIZ	101	31.0	88.4	805	6	237	0	7	0	68	1122	525	2160	2911	120	217	591	7647
4400 AGRIC ECONOMY U S	58	18.0	52.7	412	0	2610	0	9	0	0	3032	188	102	2150	68	244	428	6211
4500 AGRIC ECONOMY FORGN	22	18.3	45.3	163	0	2421	0	0	0	0	2584	158	3234	851	35	601	227	7690
4600 FARM COOPERATIVES	10	2.6	6.9	65	0	0	0	0	0	0	65	38	7	253	21	84	39	508
4700 OTH MARKET PROCESS	8	1.2	2.3	36	0	9	0	0	0	0	45	5	7	136	8	8	2	211
4800 MARKETING SYSTEMS	28	6.4	14.4	236	0	260	0	0	0	0	497	41	17	725	17	8	31	1335
6100 WEEOS	38	10.9	51.0	365	0	74	0	0	0	0	439	16	274	1324	96	611	192	2952
6200 SEED RESEARCH	11	3.2	20.5	61	0	0	0	0	0	0	61	10	105	556	498	125	2	1357
6300 BIO CELL SYSTEMS	88	29.6	146.3	626	19	0	156	0	0	0	801	47	4790	3552	111	685	394	10380
6400 EXP DESIGN/STAT METH	31	14.1	22.7	204	0	0	0	0	0	0	204	1042	48	1467	214	201	45	3220
6500 INVERTEBRATES	86	25.2	75.5	528	13	77	712	0	23	0	1353	38	899	2546	43	244	272	5394
6600 MICROORGANISMS VIRUS	149	49.2	180.8	818	0	252	1172	0	54	0	2296	115	4092	5076	188	836	363	12966
6700 PLANTS	265	72.6	258.4	1449	0	1008	2891	0	0	131	5479	196	2642	8099	586	956	454	18411
6800 ANIMALS(VERTEBRATES)	244	90.8	277.4	1148	0	665	288	0	159	0	2259	191	6075	9898	2415	889	1911	23438
6900 RESEARCH ON RSCH MGM	12	2.3	4.6	203	0	0	0	0	0	0	203	15	8	327	0	0	0	553
7000 RSCH EQUIP & TECHNOL	40	9.6	38.2	201	15	106	0	0	0	0	323	0	1678	1296	51	76	28	3452
TOTAL			7054.4	3187		10532		1717		928	82552	15408	57799	232433	42807	42888	29879	503587
	1954.7		44486		20075		1628											

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FEO	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
<b>SERIES 100</b>																		
101 APPRAIS OF SOIL RESO	68	22.0	66.9	368	0	54	0	0	0	18	440	384	205	3316	65	887	248	5545
102 SOIL PLNT WTR NUTRI	271	87.3	312.2	1771	211	308	18	41	0	0	2348	809	2230	10232	1491	1678	1574	20362
103 MGMT OF SALINE SOILS	4	0.4	2.0	10	0	0	62	0	0	0	73	0	0	43	14	1	0	130
104 ALTERN USE OF LAND	33	7.4	22.2	185	1	0	0	0	0	0	186	63	113	735	40	4	259	1400
105 CONSERV USE OF WATER	64	18.9	58.4	265	0	0	23	0	0	6	293	386	751	2202	124	426	213	4395
106 DRAIN AND IRRIGATION	36	10.3	29.7	249	0	35	0	0	0	0	283	35	45	1364	109	133	115	2085
107 WATERSHED PROT & MGM	36	10.6	36.5	196	97	49	0	0	0	0	341	185	210	1431	80	207	139	2594
108 ECON LEG PROB OF WAT	10	2.4	6.0	99	0	0	0	0	0	0	99	26	68	342	14	6	2	556
109 WEATHER ADAPT & MOO	46	13.5	38.0	385	6	4	0	0	0	53	448	17	573	1315	136	69	159	2718
110 APPRAIS FORST & RANG	33	12.2	38.0	91	256	0	0	62	0	0	409	83	527	1039	49	91	252	2451
111 BIOL CULT MGMT FORST	89	28.9	82.6	39	725	0	244	0	0	0	1007	108	184	2748	131	328	947	5452
112 IMPROV RANGE RESOR	33	11.2	24.8	227	4	121	0	21	0	0	373	0	49	1083	518	33	91	2146
113 REMOTE SENSING	18	4.7	13.7	111	61	72	0	0	0	0	244	0	251	553	8	26	53	1136
114 RSCH ON MGMT OF RSCH	12	2.3	4.6	203	0	0	0	0	0	0	203	15	8	327	0	0	0	553
SUBTOTAL	232.1		735.5	4198	1360	642	347	124		77	6748	2111	5215	26730	2779	3888	4053	51525
<b>SERIES 200</b>																		
201 CNTRL FORST INSECTS	28	6.1	21.2	68	159	0	118	0	0	0	346	63	53	571	15	123	114	1284
202 CONTROL FOREST OIS	26	5.1	18.0	38	121	0	90	0	0	6	255	35	16	670	3	110	202	1292
203 ECON TIMBER PRODUCTN	72	16.9	58.2	486	0	92	46	0	0	161	785	273	229	1999	52	425	132	3895
205 CNTR OISE FRT & VEG	124	32.9	112.3	812	0	514	109	0	0	39	1474	325	228	3929	135	751	319	7159
206 CNTR WEEDS FRT & VEG	26	7.3	26.2	220	0	7	20	0	0	0	248	0	2	941	41	254	81	1566
207 CNTR PESTS FLD CROPS	149	45.9	153.1	1256	0	596	127	0	0	27	2006	322	255	4371	265	883	594	8696
208 CNTR OIS FIELD CROPS	191	62.1	205.5	2023	0	425	194	0	0	39	2681	203	632	6084	793	1750	627	12771
209 CNTR WEEDS FLD CROPS	79	25.9	123.1	715	0	114	0	0	0	0	828	295	160	3230	362	1429	403	6707
210 CNTR PESTS ANIMALS	50	10.1	32.8	337	0	108	0	0	45	0	489	4	92	1076	554	129	59	2403
211 CNTR OIS ANIMALS	590	186.6	577.7	1408	0	2001	656	0	1328	0	5392	280	6474	21256	3700	2135	3119	42356
212 CNTR INTER PARASITES	29	5.8	11.3	25	0	55	0	0	30	0	110	0	130	584	122	64	183	1193
213 PROT ANMLS FROM TOXI	50	15.0	37.1	307	0	27	0	0	40	0	373	65	519	1617	338	199	183	3295
214 PROTECT FROM POLLUTI	48	11.7	48.7	199	106	68	28	0	15	0	417	15	772	1738	142	487	301	3872
SUBTOTAL	431.4		1425.3	7893	386	4007	1387	0	1457	272	15403	1882	9562	48066	6520	8739	6317	96488
<b>SERIES 300</b>																		
301 GENET BREED FORST TR	42	11.6	38.1	82	405	0	92	0	0	0	579	59	80	1371	24	287	231	2630
302 IMP FOREST ENG SYS	4	1.3	1.3	6	22	0	10	0	0	0	37	0	0	125	7	5	4	178
303 ECON TIMBER PRODUCTN	14	4.0	8.1	3	123	11	0	0	0	0	137	12	34	270	67	49	21	590
304 IMP BIO EFF FRT & VE	162	48.4	195.7	1682	0	788	222	170	0	0	2862	429	384	6552	394	698	895	12213
305 MECH PROD FRT & VEGS	11	1.3	4.4	44	0	0	0	0	0	0	44	8	21	234	0	12	13	332
306 PROD MGMT SYS F & V	24	4.5	23.4	111	0	38	0	11	0	0	159	15	22	810	47	106	23	1182
307 IMP BIO EFF FLD CRP	395	184.3	699.4	4338	0	368	932	111	0	144	5894	1226	3141	21821	5522	4829	2468	44901
308 MECH PROD FIELD CROP	29	7.0	13.6	148	0	22	0	0	0	0	170	4	2	906	52	63	26	1222
309 PROD MGMT SYS FLD CR	94	20.9	70.0	381	0	150	0	0	0	0	531	92	145	2558	700	439	280	4746
310 ANIMAL REPRODUCTION	202	67.0	376.7	2268	0	97	1348	457	109	0	4278	1332	1817	10816	3390	1152	546	23332
311 IMP BIO EFF ANML PR	396	154.0	887.6	5794	0	196	760	0	90	0	6841	3268	2307	24158	15495	4039	3611	59719
312 ENV STRESS IN ANML P	55	19.1	53.9	481	0	3	0	0	54	0	538	0	878	1747	842	120	185	4310
313 PROD MGMT SYS ANML P	83	17.5	76.4	557	0	123	0	41	0	0	721	7	77	2709	1400	227	173	5314
314 BEES OTH POLLNTNG IN	6	1.4	5.2	55	0	0	0	0	0	0	55	1	13	243	0	11	54	377
315 IMP STRUC FARM SUPP	25	10.8	30.2	324	0	168	0	0	0	0	492	73	5	1133	384	153	51	2291
316 FARM BUSINESS MGMT	51	11.2	18.5	360	0	0	0	0	0	0	360	16	41	1156	95	31	75	1775
317 MECH/STRUCTS ANML PR	8	0.8	3.2	11	0	0	0	0	0	0	11	0	2	158	26	1	8	204
318 NON COM BIO TECH/BIM	399	143.4	552.3	2779	19	99	4189	0	0	0	7066	349	14604	15561	1155	3248	1095	43076
SUBTOTAL	709.1		3058.1	19423	569	2063	7533	791	253	144	30775	6891	23575	92327	29599	15468	9759	208394
<b>SERIES 400</b>																		
401 NEW IMP FOREST PROD	62	18.1	51.3	111	374	416	415	0	0	50	1366	99	137	1640	15	256	542	4055
402 PROD F & V IMP ACCEP	57	10.1	29.9	219	0	6	0	0	0	0	225	17	28	1287	65	310	356	2289
403 NEW & IMP F & V PROD	42	10.9	38.1	288	0	0	0	0	0	0	288	19	95	1412	3	402	136	2354
404 MKT QUAL FRTS & VEGS	34	10.6	28.6	250	0	83	0	0	0	0	333	13	30	1431	4	330	247	2387
405 PROD FLD CROP IMP AC	91	29.8	145.0	731	0	201	0	0	0	0	932	232	240	4411	307	1142	678	7941
406 NEW IMP FOOD FLD CRO	74	24.1	94.5	543	0	803	0	0	0	200	1546	37	227	3045	71	779	778	6483
407 NEW IMP NON FOOD FC	45	10.1	31.5	111	0	721	120	0	0	87	1040	2	18	1342	247	601	186	3437
408 MKT QUAL FLD CROPS	28	15.2	35.5	225	0	0	0	0	0	0	225	24	802	955	26	249	248	2529
409 PROD ANML PR IMP ACC	55	20.0	92.4	811	0	0	0	0	0	0	811	167	1	3015	1042	684	225	5945
410 IMP MEAT MILK EGG PR	77	23.2	80.8	766	0	0	0	0	0	0	766	0	272	2983	542	1141	169	5872
411 IMP NON FOOD ANML PR	7	1.2	4.9	18	0	0	0	0	0	0	18	0	103	158	9	30	16	333
412 MKT QUAL ANIMAL PROD	29	8.3	18.0	260	0	88	0	0	0	0	348	10	0	809	32	496	70	1765
SUBTOTAL	181.5		650.5	4332	374	2317	535	0	0	337	7896	619	1952	22489	2362	6419	3651	45388
<b>SERIES 500</b>																		
501 IMP GRADES & STANOS	12	3.3	12.1	133	0	0	0	0	0	0	133	25	47	297	10	181	115	808
502 MKTG TIMBER PRODUCTS	7	3.7	2.9	0	59	0	0	0	0	0	59	14	0	255	0	0	27	356
503 MKTG EFF AGRI PRODS	54	18.4	29.6	474	0	87	0	0	0	0	561	252	357	1500	48	479	98	3295
506 SPLY DEMAND AND PRIC	61	15.3	34.7	403	0	1135	0	16	0	0	1554	95	92	1721	73	144	51	3729
507 COMP REL IN AGRIC	15	1.6	4.8	13	0	153	0	0	0	0	166	0	17	309	10	11	4	517
508 DOMESTIC MKT DEVELP	16	2.2	9.3	40	0	43	0	18	0	0	101	20	91	356	8	14	98	688
509 PERFORMANCE MKTG SYS	50	11.3	32.6	480	0	150	0	0	0	0	629	202	29	1350	6	15	73	2303
510 GROUP ACT MKT POWER	9	1.2	3.1	62	0	9	0	0	0	0	71	0	2	148	18	46	4	288
511 IMP AGRIC STATISTICS	16	4.6	11.3	111	0	101	0	0	0	0	212	1042	2	623	37	82	27	2027
512 IMP GRADES FRST PROD	2	0.1	7.5	7	0	451	0	0	0	0	458	0	16	15	0	0	0	488
513 PRICE ANAL FRST PROD	1	0.3	0.3	0	7	0	0	0	0	0	7	0						

## SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	ND DF PRDJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	CDMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRD	PRDD SALE	IND -TRY	DTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	28	3.7	26.2	135	0	750	0	0	0	0	885	6	86	379	111	117	50	1635
702 FOOD PROT FROM TOX	54	18.4	78.0	597	0	267	0	0	0	0	864	44	639	2189	57	1111	325	5228
703 FOOD CONSUMP HABITS	37	10.7	24.8	146	0	0	0	13	0	0	159	101	479	1128	16	240	17	2140
704 HOME COMM FOOD SERV	15	4.3	9.0	230	0	0	0	0	0	0	230	13	0	395	5	51	31	725
705 SEL CARE CLOTH & TEX	21	4.6	13.4	109	0	0	0	13	0	0	122	0	0	425	3	101	6	856
706 CONTR INSECTS AFF MA	16	3.1	11.1	73	0	0	0	0	0	0	73	0	177	395	1	143	67	856
707 TRANS ANIML MAN DIS	7	0.9	3.7	4	0	0	0	0	0	0	4	0	197	89	0	53	0	343
708 HUMAN NUTRITDN	117	39.2	120.6	859	0	5	655	588	0	0	2107	134	2410	4116	110	879	634	10389
709 REDUCE HAZ HLTH & SF	17	4.9	9.9	94	0	0	0	0	0	0	94	8	1	512	2	107	9	732
SUBTOTAL		89.8	296.6		0		655	614	0	0	4539	306	3988	9627	305	2801	1139	22705
SERIES 800																		
801 RURAL HOUSING	11	2.3	4.4	27	0	0	0	13	0	0	40	0	0	231	8	14	0	292
802 INDIV & FAM DEC MAKI	69	18.9	33.6	358	0	0	0	15	0	0	373	14	237	2222	32	50	71	2999
803 RURAL PDVERTY	5	0.9	1.1	7	0	0	0	0	0	0	7	0	30	56	0	0	1	84
804 ECON POTENT RURL PED	21	5.7	10.6	172	0	0	0	0	0	0	172	10	3	437	9	31	15	677
805 COMMUNICAT EDUC PROC	36	11.1	17.4	102	0	0	0	0	0	0	102	7	63	1541	0	26	23	1783
806 ADJUSTMENT TO CHANGE	71	20.5	57.5	318	0	86	0	29	0	0	433	105	1219	1893	65	191	58	3985
807 AGRIC ECONOMIC CHANG	65	21.1	51.1	547	0	179	0	2	0	0	729	159	13	2395	83	145	470	3994
808 GOVT PROGRAMS	19	6.3	14.7	108	8	835	0	0	0	0	949	69	13	624	10	64	310	2040
SUBTOTAL		86.9	190.5	1639	8		835	60	0	0	2805	385	1579	9399	206	521	949	15824
SERIES 900																		
901 ALLEY POLLUTION	115	32.1	108.5	650	13	2933	0	0	0	30	3627	372	2718	3674	154	937	383	11864
902 OUTDOOR RECREATION	28	8.3	24.1	37	87	15	0	0	0	0	138	91	320	941	3	26	275	1794
903 MULTI USE FOREST POT	22	5.1	19.6	102	144	0	0	0	0	0	246	7	7	500	75	57	211	1104
904 WILDLIFE AND FISH ECOL	90	27.0	127.9	304	91	103	54	0	7	0	559	394	2583	3111	296	821	1213	8978
905 TREES BEAUTIFICATION	35	6.3	18.4	88	73	0	0	0	0	0	161	18	16	734	21	29	60	1040
906 ORNAMENT & TURF DEV	101	31.9	106.9	752	8	1	21	0	0	0	779	89	137	4147	121	1270	503	7047
907 RURAL INCOME IMP	39	8.2	18.6	244	8	223	0	5	0	0	478	36	33	896	17	9	82	1551
908 RURAL INSTITUT IMP	40	10.2	33.3	445	0	113	0	0	0	68	625	287	20	803	59	80	192	2068
SUBTOTAL		129.0	455.2	2624	419		75	5	7	98	6614	1295	5833	14807	746	3230	2920	35444
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		1954.7	7054.4	44486	3187		10532	1628	1717	928	82552	15408	57799	232433	42807	29679		503567

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROO SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	294	75.7	206.3	1419	187	242	24	0	0	10	1883	453	2241	9662	722	844	685	16489
0200 WATER	235	67.3	198.3	1209	68	206	0	0	0	24	1507	572	3128	8301	492	477	2220	16697
0300 WATERSHEDS RIVER BAS	84	16.6	87.3	148	197	0	0	0	0	0	345	493	1242	2403	46	541	231	5301
0400 AIR AND CLIMATE	32	8.8	26.9	93	4	0	0	0	0	0	96	53	458	1052	6	97	27	1790
0500 RECREATION RESOURCES	53	20.1	42.5	114	115	9	0	0	0	0	239	129	943	979	12	325	342	2968
0600 TIMBER FORST PRODUCT	408	148.6	414.8	466	2855	629	796	0	0	225	4972	2561	3650	13563	749	1510	1788	28793
0700 RANGE	175	48.3	122.8	869	192	323	0	0	0	0	1384	299	2300	5090	286	137	560	10056
0800 WILDLIFE AND FISH	216	85.8	236.3	374	244	2871	96	0	39	0	3624	1064	3151	9523	184	571	1461	19577
0900 CITRUS SUB TROP FRUT	130	34.7	102.5	363	0	476	7	0	0	100	947	124	79	6803	38	395	451	8838
1000 FRUIT NUTS DECIDUOUS	272	112.8	322.2	2092	0	186	0	0	0	44	2322	662	837	16230	466	2656	827	24002
1100 POTATOES	100	30.7	83.8	329	0	587	0	0	0	17	933	547	145	3467	182	359	417	6051
1200 VEGETABLES	355	106.5	359.5	2277	0	640	448	0	0	0	3364	689	2472	15338	275	1516	1635	25289
1300 ORNAMENTALS TURF	121	37.8	100.9	560	0	230	0	0	0	0	789	118	219	5168	101	493	500	7388
1400 CORN	78	12.1	47.6	157	2	36	392	0	0	41	628	214	1133	1504	114	65	255	3913
1500 GRAIN SORGHUM	23	1.6	9.1	13	0	1	0	0	0	5	18	27	6	335	31	42	11	472
1600 RICE	17	2.6	22.0	13	0	20	43	0	0	0	76	0	86	749	7	108	87	1113
1700 WHEAT	207	54.9	186.6	820	0	520	60	0	0	0	1401	781	1693	7944	1154	1148	1118	15239
1800 OTHER SMALL GRAINS	135	27.3	92.4	694	0	32	141	0	0	0	867	284	417	3053	205	613	552	5992
1900 PASTURE	30	4.2	8.4	205	13	26	0	0	0	0	244	31	59	299	21	15	59	728
2000 FORAGE CROPS	198	45.1	131.7	1234	0	180	44	0	0	0	1457	924	934	5932	484	266	404	10400
2100 COTTON	68	20.5	74.8	486	0	23	0	0	0	0	509	120	79	3295	134	530	234	4800
2200 COTTONSEED	2	0.6	1.7	19	0	0	0	0	0	0	19	3	3	74	3	2	4	108
2300 SOYBEANS	21	5.5	15.0	80	0	4	188	0	0	0	309	1	174	629	3	22	62	1199
2400 PEANUTS	2	1.0	1.2	0	0	0	0	0	0	0	0	0	0	88	1	0	0	90
2500 OTHER DILSEED CROPS	44	17.7	70.1	297	0	72	0	0	0	0	369	480	661	2215	140	534	124	4524
2600 TOBACCO	3	1.9	16.4	30	0	0	0	0	0	0	30	27	210	445	50	34	53	849
2700 SUGAR CROPS	31	6.4	21.1	103	0	0	0	0	0	0	103	50	55	1037	35	145	52	1479
2800 MISC NEW CROPS	79	17.4	65.0	378	0	334	0	0	0	12	725	399	1028	2342	147	327	334	5302
2900 POULTRY	82	26.9	95.5	454	0	126	209	0	65	74	929	34	308	4329	245	370	276	6490
3000 BEEF CATTLE	299	149.1	378.6	2207	8	568	180	0	422	0	3385	684	7138	12560	6520	1827	1862	33976
3100 DAIRY CATTLE	192	72.4	219.7	844	0	272	77	0	293	0	1486	614	2274	6529	2362	4823	545	18633
3200 SWINE	51	9.1	36.8	651	0	0	302	0	13	0	966	32	305	1294	267	133	133	3130
3300 SHEEP AND WOOL	131	46.6	121.8	937	0	247	198	0	169	0	1550	397	2422	4445	822	345	420	10401
3400 OTHER ANIMALS	87	38.0	123.1	308	0	29	251	0	102	0	690	204	3937	3625	445	727	315	9942
3500 BEES AND HONEY	21	7.6	11.3	86	0	0	0	0	0	0	86	123	10	1132	2	40	21	1413
3600 FARM SUPP & FACILITS	17	5.2	4.2	76	0	21	0	0	0	0	97	6	1	424	10	5	117	660
3700 CLOTHING & TEXTILES	20	3.7	8.5	46	0	0	0	0	0	0	46	46	3	470	1	5	6	576
3800 FOOD	80	38.6	93.3	533	0	288	33	0	0	0	853	78	1111	4674	82	609	200	7607
3900 HOUSING & EQUIP	24	7.0	15.4	100	27	0	0	0	0	0	126	108	120	828	19	95	201	1497
4000 PEOPLE AS INDIVIDUAL	129	35.5	68.7	435	38	37	174	0	1	0	685	46	859	3952	62	656	157	6418
4100 FAMILY MEMBERS	63	15.9	33.5	325	0	18	64	0	0	0	407	95	589	1374	35	74	222	2795
4200 FARM AS BUSINESS	37	10.3	9.7	148	0	134	0	0	0	0	282	73	4	893	34	19	85	1389
4300 SOC POLIT ORGANIZ	70	18.0	22.8	252	25	37	0	0	0	0	314	46	46	1765	31	116	156	2474
4400 AGRIC ECONOMY U S	28	12.0	18.8	137	0	0	0	0	0	0	137	95	4	1378	5	79	10	1708
4500 AGRIC ECONOMY FORGN	11	5.0	11.9	41	0	27	0	0	0	0	68	55	22	616	1	57	2	820
4600 FARM COOPERATIVES	5	0.8	1.6	10	0	0	0	0	0	0	10	1	3	105	0	5	11	136
4700 OTH MARKET PROCESS	2	0.4	0.3	12	0	0	0	0	0	0	12	0	0	16	0	0	7	36
4800 MARKETING SYSTEMS	12	3.0	6.0	27	0	12	0	0	0	0	38	3	15	447	0	42	1	546
6100 WEEDS	40	7.3	17.2	147	0	32	46	0	0	0	225	117	111	686	20	26	103	1288
6200 SEED RESEARCH	30	12.0	52.2	145	0	0	0	0	0	0	145	147	185	1133	1299	117	131	3158
6300 BIO CELL SYSTEMS	58	18.1	75.8	205	0	22	42	0	2	0	271	96	1590	2752	51	519	286	5564
6400 EXP DESIGN/STAT METH	24	5.1	14.1	7	5	0	0	0	0	0	12	57	31	859	21	12	26	1018
6500 INVERTEBRATES	151	50.0	146.8	822	11	37	719	0	27	0	1416	147	1070	7608	130	850	101	11323
6600 MICROORGANISMS VIRUS	150	39.8	137.2	363	2	271	1624	0	2	0	2261	112	2738	5613	52	754	141	11673
6700 PLANTS	309	88.9	328.7	1016	0	721	2418	0	0	0	4156	1150	4412	13090	258	834	824	24723
6800 ANIMALS(VERTEBRATES)	102	87.5	369.5	369	0	6	160	0	32	0	587	180	10417	15569	320	759	272	28104
6900 RESEARCH ON RSCH MGM	9	5.6	27.4	129	34	11	0	0	0	0	174	66	87	7159	0	164	5	7856
7000 RSCH EQUIP & TECHNOL	40	10.1	28.1	139	20	0	30	0	0	0	188	380	513	1016	38	117	82	2334
TOTAL																		
	1841.4		5545.6	25633	4046	8765		0	1167	553	50763	16300	67726	233861	19221	27953	21207	437032

## SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF--- SUPPORT YRS SYS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL	
<b>SERIES 100</b>																		
101 APPRAIS OF SOIL RESD	51	15.5	30.4	180	96	50	0	0	0	326	53	389	1581	224	107	61	2742	
102 SOIL PLNT WTR NUTRI	189	55.3	159.8	1115	167	142	24	0	0	1448	699	3087	5093	655	477	683	12143	
103 MGMT OF SALINE SOILS	50	14.2	69.1	408	0	2	49	0	0	464	98	449	2462	491	205	126	4294	
104 ALTERN USE OF LAND	53	11.5	15.4	191	19	11	0	0	0	222	14	213	1189	14	28	165	1844	
105 CONSERV USE OF WATER	135	33.5	112.4	684	36	57	0	0	0	777	384	1651	4103	288	262	615	8079	
106 DRAIN AND IRRIGATION	50	13.9	32.8	200	0	5	0	0	4	209	52	419	1811	80	133	1354	4058	
107 WATERSHED PROT & MGM	89	17.7	65.7	127	157	51	0	0	0	336	598	687	2507	42	59	222	4452	
108 ECON LEG PROB OF WAT	31	10.3	14.5	204	3	0	0	0	0	207	59	106	968	10	70	39	1460	
109 WEATHER ADAPT & MOD	45	14.0	39.0	213	27	0	0	0	0	240	80	1108	1482	15	133	46	3103	
110 APPRAIS FORST & RANG	65	14.2	39.1	70	253	1	0	0	0	324	213	1147	1342	53	72	222	3374	
111 BIDL CULT MGMT FORST	123	50.4	146.1	105	1203	15	113	0	0	1436	1371	1436	4310	348	442	430	9774	
112 IMPROV RANGE RESOR	116	29.4	71.6	538	144	180	0	0	0	862	176	469	3409	210	43	319	5490	
113 REMOTE SENSING	24	7.1	15.5	60	123	0	0	0	0	183	62	266	845	67	22	87	1332	
114 RSCH ON MGMT OF RSCH	9	5.6	27.4	129	34	11	0	0	0	174	66	87	1759	0	164	5	7658	
SUBTOTAL		292.6	838.9	4224	2263	526	186	0	0	7209	3925	11514	38062	2497	2218	4376	69801	
<b>SERIES 200</b>																		
201 CNTRL FORST INSECTS	42	7.4	26.0	131	87	13	287	0	0	517	45	113	1010	7	182	30	1903	
202 CONTROL FOREST DIS	35	10.9	30.8	107	153	1	78	0	0	336	66	84	1239	86	93	20	1924	
203 FOREST FIRE PROTECT	7	0.8	1.9	0	12	0	0	0	0	12	18	27	73	1	0	8	140	
204 CNTR PESTS FRT & VEG	165	45.4	144.4	1004	0	453	0	0	0	1458	192	507	7866	158	1071	543	11594	
205 CNTR DISE FRT & VEG	248	77.1	238.8	1351	0	455	87	0	44	1918	478	786	11211	189	1384	782	18758	
206 CNTR WEEDS FRT & VEG	55	9.3	37.2	285	0	54	90	0	0	429	57	204	1301	58	130	108	2285	
207 CNTR PESTS FLD CROPS	125	31.2	107.4	819	0	224	11	0	0	1055	602	424	4192	120	346	342	7081	
208 CNTR DIS FIELD CROPS	151	39.5	117.8	590	0	331	54	0	5	980	321	515	5116	188	650	451	8200	
209 CNTR WEEDS FLD CROPS	86	24.4	71.6	414	20	201	17	0	0	652	426	128	2842	152	298	395	4891	
210 CNTR PESTS ANIMALS	23	7.5	15.8	121	0	24	0	0	44	189	12	187	927	27	179	92	1613	
211 CNTR DIS ANIMALS	192	172.2	500.4	601	0	1019	251	0	810	74	2756	703	10380	18445	4767	1544	1447	40441
212 CNTR INTER PARASITES	32	7.6	21.9	279	0	92	0	0	26	0	397	74	80	668	45	226	6	1497
213 PROT ANMLS FROM TOXI	33	47.2	94.1	36	8	27	0	0	72	0	143	15	7386	2271	1057	782	738	12393
214 PROTECT FROM POLLUTI	54	11.3	116.5	235	33	469	0	0	15	0	752	440	2613	2024	10	196	92	6127
SUBTOTAL		491.8	1524.5	5976	313	3362	853	0	967	11593	3447	23444	59386	6843	7080	5054	116846	
<b>SERIES 300</b>																		
301 GENET BREED FORST TR	21	8.1	34.7	13	216	13	0	0	0	241	54	380	919	74	147	50	1866	
302 IMP FOREST ENG SYS	18	8.4	20.2	7	124	175	30	0	0	335	17	26	1020	0	32	42	1471	
303 ECON TIMBER PRODUCTN	14	3.6	9.4	0	123	59	0	0	0	182	13	0	334	0	11	118	658	
304 IMP BIO EFF FRT & VE	281	87.0	281.5	1463	0	363	434	0	17	2278	677	814	14041	536	1307	809	20463	
305 MECH PROD FRT & VEGS	17	5.7	11.0	70	0	11	0	0	0	81	16	0	803	28	122	35	885	
306 PROD MGMT SYS F & V	27	6.7	22.6	77	0	0	0	0	100	177	71	14	865	28	38	73	1266	
307 IMP BIO EFF FLD CRP	276	86.2	312.2	1603	0	311	1076	0	48	3039	1284	3727	11751	947	1355	1071	23173	
308 MECH PROD FIELD CROP	11	4.0	13.1	55	0	36	0	0	0	91	40	51	668	37	52	28	967	
309 PROD MGMT SYS FLD CR	63	14.1	35.5	207	0	59	0	0	0	266	16	43	1633	80	141	137	2316	
310 ANIMAL REPRODUCTION	110	38.4	128.4	1081	0	69	571	0	80	1801	558	1958	4605	753	206	239	10120	
311 IMP BIO EFF ANML PR	189	77.5	315.8	2179	0	5	402	0	73	2658	245	1288	11946	3776	4407	363	24663	
312 ENV STRESS IN ANML P	35	10.2	31.1	161	0	38	0	0	0	199	18	281	1427	209	51	34	2219	
313 PROD MGMT SYS ANML P	43	8.8	25.7	293	0	14	0	0	0	308	10	32	1286	242	47	32	1956	
314 BEES OTH POLLNTNG IN	21	7.6	11.3	88	0	0	0	0	0	86	123	10	132	2	40	21	1413	
315 IMP STRUC FARM SUPP	9	2.5	2.5	52	0	0	0	0	0	52	6	0	235	10	14	39	357	
316 FARM BUSINESS MGMT	28	7.9	8.4	114	0	0	0	0	0	114	60	2	704	30	17	85	1012	
318 NDN COM BIO TECH/BIM	422	150.2	493.8	1502	5	120	4317	0	2	5946	997	9791	21195	367	2042	1164	41502	
SUBTOTAL		524.8	1757.2	8964	468	1272	6829	0	156	17854	4207	18398	74383	7118	10027	4341	136307	
<b>SERIES 400</b>																		
401 NEW IMP FOREST PROD	69	27.2	70.2	12	221	210	337	0	0	924	109	376	2801	194	341	184	4930	
402 PROD F & V IMP ACCEP	82	18.1	68.3	193	0	277	0	0	0	470	110	399	3335	103	500	199	5118	
403 NEW & IMP F & V PROD	42	14.0	26.9	147	0	54	0	0	0	201	3	50	1835	5	268	134	2497	
404 MKT QUAL FRTS & VEGS	57	22.0	55.0	306	0	202	0	0	0	508	106	15	2863	9	445	100	4145	
405 PROD FLD CROP IMP AC	63	18.7	90.6	444	0	51	0	0	0	495	550	618	3869	1555	836	349	8272	
406 NEW IMP FOOD FLD CRO	19	5.0	22.2	196	0	0	0	0	0	196	34	61	708	22	99	135	1256	
407 NEW IMP NON FOOD FC	18	4.2	18.7	37	0	252	59	0	5	353	11	168	521	14	125	62	1254	
408 MKT QUAL FIELD CROPS	11	3.3	5.8	29	0	2	0	0	0	31	1	0	329	35	57	9	463	
409 PROD ANML PR IMP ACC	16	6.5	19.1	154	0	0	0	0	0	154	2	230	864	46	295	44	1634	
410 IMP MEAT MILK EGG PR	41	12.0	36.5	212	0	0	0	0	0	212	158	296	1087	17	844	327	2939	
411 IMP NON FOOD ANML PR	3	2.9	3.4	47	0	0	0	0	0	47	0	101	164	0	25	8	346	
412 MKT QUAL ANIMAL PROD	13	3.1	6.4	71	0	1	0	0	0	72	0	198	249	20	17	28	584	
SUBTOTAL		137.1	423.0	1848	221	1050	396	0	0	3664	1082	2512	18726	2021	3852	1577	33435	
<b>SERIES 500</b>																		
501 IMP GRADES & STANOS	5	0.7	1.2	9	0	0	0	0	0	9	0	0	67	2	3	14	95	
502 MKTG TIMBER PRODUCTS	10	3.1	7.3	0	7	138	0	0	0	145	135	0	100	0	49	63	493	
503 MKTG EFF AGRI PROOS	25	6.0	7.6	107	0	67	0	0	0	174	14	95	495	5	4	41	829	
506 SPPLY DEMAND AND PRIC	30	11.4	11.6	228	0	0	0	0	0	228	22	108	1036	8	64	30	1494	
507 COMP REL IN AGRIC	7	3.5	5.3	63	0	0	0	0	0	63	4	95	316	2	41	2	524	
508 DOMESTIC MKT DEVELP	15	10.4	9.3	38	0	1948	0	0	0	1986	27	95	283	4	12	41	2448	
509 PERFORMANCE MKTG SYS	27	7.8	10.7	110	0	0	0	0	0	110	8	10	868	6	37	39	1078	
510 GROUP ACT MKT POWER	3	0.6	2.2	2	0	0	0	0	0	2	1	8	118	0	9	0	139	
511 IMP AGRIC STATISTICS	10	1.1	5.1	7	0	0	0	0	0	7	19	17	237	5	7	26	317	
512 PRICE ANAL FRST PROD	5	1.4	1.9	0	59	0	0	0	0	81	140	0	36	9	0	0	185	
513 PRICE ANAL FRST PROD	6	1.1	3.2	0	34	0	0	0	0	34	3	84	135	0	0	32	288	
SUBTOTAL		47.1	65.3	563	101	2153	0	0	81	2898	234	513	3690	40	227	288	7889	
<b>SERIES 600</b>																		
601 FGN MKT DEVELP	35	18.3	42.3	176	44	76	0	0	0	296	862	47	1595	5	149	473	3427	
60																		



## SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	33	14.4	46.5	154	0	364	0	0	17	0	535	1	1144	1344	3	100	181	3308
702 FOOD PROT FROM TOX	32	14.5	40.3	253	0	0	0	0	0	0	253	40	1325	1292	35	99	318	3362
703 FOOD CONSUMP HABITS	31	8.8	20.6	277	0	5	0	0	0	0	282	32	144	799	7	158	10	1432
704 HOME COMM FOOD SERV	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
705 SEL CARE CLOTH & TEX	18	3.2	7.5	40	0	0	0	0	0	0	40	45	3	409	1	5	5	508
706 CONTR INSECTS AFF MA	31	14.8	43.8	128	27	0	0	0	0	0	153	88	252	2730	48	258	96	3622
707 TRANS ANIML MAN OIS	8	1.8	6.0	28	0	0	0	0	1	0	30	11	85	314	1	88	7	535
708 HUMAN NUTRITION	79	31.6	112.5	400	0	0	405	0	0	0	805	251	1426	3497	50	743	237	7008
709 REDUCE HAZ HLTH & SF	16	4.2	7.1	28	0	0	0	0	0	0	28	2	160	427	9	9	4	639
SUBTOTAL		93.4	284.5	1308	27	370	405	0	18	0	2126	467	4538	10813	154	1460	857	20415
SERIES 800																		
801 RURAL HOUSING	8	2.1	3.1	7	0	0	0	0	0	0	7	4	1	229	7	27	26	301
802 INDIV & FAM DEC MAKI	53	10.6	14.8	208	0	18	0	0	0	0	225	14	147	991	20	63	94	1553
803 RURAL POVERTY	4	1.1	0.9	17	0	18	0	0	0	0	36	25	0	37	3	43	0	144
804 ECON POTENT RURL PED	17	4.0	6.7	31	19	0	0	0	0	0	51	5	66	416	6	119	17	679
805 COMMUNICAT EDUC PROC	21	5.8	4.9	20	22	0	0	0	0	0	42	11	43	563	13	5	29	705
806 ADJUSTMENT TO CHANGE	53	10.2	13.3	264	0	18	0	0	0	0	282	16	72	1025	11	69	16	1491
807 AGRIC ECONOMIC CHANG	28	9.7	10.6	129	0	143	0	0	0	0	272	35	9	975	6	19	16	1331
808 GOVT PROGRAMS	8	1.8	1.2	38	0	0	0	0	0	0	39	11	0	131	2	5	3	190
SUBTOTAL		45.4	55.3	713	42	198	0	0	0	0	953	121	338	4367	69	349	201	6396
SERIES 900																		
901 ALLEV POLLUTION	135	36.8	160.3	582	11	396	0	0	0	25	1014	252	1785	6354	136	1070	1193	11803
902 OUTDOOR RECREATION	50	20.2	42.2	119	92	9	0	0	0	0	220	99	937	981	11	325	312	2885
903 MULTI USE FOREST POT	31	7.2	14.2	41	319	0	0	0	0	0	361	77	199	577	9	19	176	1418
904 WOLFE AND FISH ECOL	185	66.1	189.1	294	125	668	96	0	26	0	1209	1021	2386	7746	153	469	1235	14218
905 TREES BEAUTIFICATION	19	3.9	10.4	51	0	0	0	0	0	0	51	8	54	535	4	104	26	782
906 ORNAMENT & TURF DEV	110	32.7	91.2	491	0	230	0	0	0	0	721	99	127	4652	78	482	470	6629
907 RURAL INCOME IMP	28	7.6	8.2	79	0	18	0	0	0	0	98	20	64	632	17	44	117	993
908 RURAL INSTITUT IMP	28	4.9	7.7	108	21	18	0	0	0	0	147	25	37	457	7	51	2	727
SUBTOTAL		179.4	523.4	1765	568	1340	98	0	26	25	3819	1601	5590	21936	413	2564	3532	39455
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		1841.4	5545.6	25633	4046	10599	8765	0	1167	553	50763	16300	67726	233861	19221	27953	21207	437032

## NATIONAL TOTAL SAES

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEM	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROO SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1081	321.0	1105.1	7312	295	1436	0	0	0	134	9177	2553	9124	38713	3508	5793	5617	74485
0200 WATER	707	186.4	620.1	3810	146	1112	0	0	0	76	5144	1864	5103	23322	1481	2790	4482	44186
0300 WATERSHEDS RIVER BAS	145	34.7	121.3	562	255	125	0	0	0	8	950	810	917	3842	128	820	890	8157
0400 AIR AND CLIMATE	106	31.9	104.7	629	30	11	0	0	0	0	670	103	1302	3418	214	573	308	6588
0500 RECREATION RESOURCES	99	30.8	68.6	310	297	24	0	0	0	0	631	410	678	2850	56	150	831	5606
0600 TIMBER FORST PRODUCT	1039	398.1	1128.7	2489	10141	1727	1605	0	0	6	15968	6176	4001	42445	1749	6631	7208	84179
0700 RANGE	272	82.0	245.5	1883	188	448	0	0	0	0	2499	768	2771	8975	1887	481	752	18132
0800 WILDLIFE AND FISH	680	240.5	989.0	2330	886	1847	150	0	88	0	5303	2353	10232	29399	1932	4893	10278	64390
0900 CITRUS SUB TROP FRUT	297	114.0	360.9	1337	0	962	123	0	0	0	2421	755	387	17865	225	1391	665	23709
1000 FRUIT NUTS DECIDUOUS	892	316.6	1170.2	7807	23	1509	67	0	0	0	9406	1649	1471	46256	2295	5412	3158	69646
1100 POTATOES	325	91.2	384.5	2032	0	1538	165	0	0	0	3736	1511	1137	11087	792	1322	1642	21227
1200 VEGETABLES	1281	425.2	1599.0	10463	0	2668	639	0	0	0	13770	1700	4995	59316	2485	5468	5132	92865
1300 ORNAMENTALS TURF	562	206.8	670.0	5087	14	403	63	0	0	0	5566	376	551	27875	1033	4362	1914	41678
1400 CORN	839	194.9	771.3	5150	2	445	593	0	0	0	6191	1480	4056	24224	2192	5983	3092	47218
1500 GRAIN SORGHUM	264	61.2	214.3	1034	0	164	1	0	0	0	1199	319	2055	7086	979	661	670	12968
1600 RICE	143	49.4	222.2	555	0	229	46	0	0	0	829	423	1048	6995	374	1587	2686	13942
1700 WHEAT	689	196.8	639.3	3732	0	920	282	0	0	0	4934	1301	3394	23750	2936	2780	3001	42096
1800 OTHER SMALL GRAINS	341	76.9	293.7	1790	0	53	122	0	0	0	1866	632	1217	9058	1310	2102	1267	17552
1900 PASTURE	114	24.6	100.2	948	13	86	0	0	0	0	1046	66	94	2895	511	137	150	5000
2000 FORAGE CROPS	731	189.9	689.3	5873	0	565	71	0	0	0	8510	1832	1774	26756	3145	2083	1367	43466
2100 COTTON	325	108.9	375.3	2313	0	554	12	0	0	0	2879	523	536	14023	1479	1863	1329	22632
2200 COTTONSEED	8	1.0	3.2	21	0	0	0	0	0	0	21	9	18	153	5	16	4	225
2300 SOYBEANS	795	194.9	684.7	5079	0	1447	247	0	0	0	6772	817	1453	25224	3405	4219	3106	44998
2400 PEANUTS	145	41.7	163.3	737	0	90	0	0	0	0	828	250	882	6190	313	586	828	9876
2500 OTHER OILSEED CROPS	130	36.9	128.2	711	0	297	0	0	0	319	1327	860	761	4088	325	547	317	8227
2600 TOBACCO	146	53.2	192.2	887	0	24	0	0	0	0	911	163	384	9556	286	318	796	12415
2700 SUGAR CROPS	123	40.3	136.2	1221	0	143	0	0	0	0	1364	98	73	5463	351	1107	333	8789
2800 MISC NEW CROPS	172	38.1	197.3	1101	0	1864	0	0	0	12	2977	610	1767	5066	507	960	569	12456
2900 POULTRY	634	219.1	889.4	7045	0	1183	461	0	321	0	9010	487	1731	36595	2696	3294	2931	56744
3000 BEEF CATTLE	1154	365.1	1642.1	9839	8	2003	1408	0	1067	0	14326	2417	4312	60867	22440	5180	2958	112499
3100 DAIRY CATTLE	998	295.0	1410.0	10137	0	1453	655	0	875	0	13120	1116	3570	47150	9227	9467	3941	87592
3200 SWINE	607	163.1	765.5	6562	0	688	1261	0	471	0	8983	2185	1486	25740	5949	2306	4085	50733
3300 SHEEP AND WOOL	330	79.7	377.5	2542	0	408	575	0	216	0	3740	1892	1250	12135	1753	867	856	22493
3400 OTHER ANIMALS	278	76.5	257.1	1445	0	280	258	0	323	0	2317	398	2637	11214	1457	1463	855	20342
3500 BEES AND HONEY	45	12.5	38.2	195	0	2	38	0	0	0	234	301	31	2022	170	57	137	2953
3600 FARM SUPP & FACILITS	90	29.4	71.5	701	8	193	0	0	0	0	901	187	215	3205	368	490	249	5614
3700 CLOTHING & TEXTILES	83	19.0	48.5	384	0	0	0	0	0	0	384	46	39	1857	112	253	28	2718
3800 FOOD	411	166.9	477.7	4101	0	1229	159	0	0	0	5489	906	4467	18097	701	4096	2319	36075
3900 HOUSING & EQUIP	128	42.6	105.6	1124	78	45	0	0	0	0	1247	370	184	4940	310	441	295	7787
4000 PEOPLE AS INDIVIDUAL	521	151.2	521.0	2445	16	361	464	0	1	0	3287	84	4770	15817	1223	2129	2617	29926
4100 FAMILY MEMBERS	267	70.4	170.8	1364	0	458	64	0	0	0	1885	176	2177	6293	328	301	533	11693
4200 FARM AS BUSINESS	197	67.5	127.5	1530	3	262	0	0	0	0	1795	239	142	6633	279	197	228	9513
4300 SOC POLIT ORGANIZ	317	103.5	244.2	2495	16	585	0	0	0	0	3095	660	2304	9045	439	813	1328	17684
4400 AGRIC ECONOMY U S	152	60.0	135.8	1069	10	2435	0	0	0	0	3513	570	255	6455	226	732	642	12393
4500 AGRIC ECONOMY FORGN	48	33.8	65.9	252	0	2021	0	0	0	0	2273	237	4756	2185	54	661	291	10457
4600 FARM COOPERATIVES	26	4.9	15.7	116	0	19	0	0	0	0	135	63	10	484	40	105	92	929
4700 OTH MARKET PROCESS	22	4.3	16.7	113	18	9	0	0	0	0	141	20	12	430	44	50	17	714
4800 MARKETING SYSTEMS	65	18.2	35.8	392	0	291	0	0	0	0	683	64	55	1891	38	52	225	3107
6100 WEEOS	131	31.4	112.7	849	6	144	50	0	0	0	1050	223	568	4001	188	843	392	7264
6200 SEED RESEARCH	63	22.2	91.0	274	0	0	0	0	0	0	274	158	299	2461	1848	276	243	5559
6300 BIO CELL SYSTEMS	264	96.0	441.0	1516	19	22	330	0	2	0	1889	304	10169	10855	686	1927	1514	27343
6400 EXP DESIGN/STAT METH	101	35.8	74.1	382	5	6	0	0	0	0	392	1125	556	3758	342	293	397	6865
6500 INVERTEBRATES	455	143.2	432.3	2309	163	254	1926	0	71	12	4735	512	3562	18376	320	1457	852	29813
6600 MICROORGANISMS VIRUS	507	148.2	611.1	2779	19	595	2957	0	62	0	6412	558	10106	17556	670	2829	1012	39142
6700 PLANTS	863	264.5	961.3	4359	9	2725	4849	0	0	24	11966	2729	9149	32882	1399	5260	3183	66567
6800 ANIMALS(VERTEBRATES)	377	134.4	482.5	2388	4	1019	398	0	174	0	3983	563	9516	17205	1989	2317	1269	36841
6900 RESEARCH ON RSCH MGM	35	10.9	37.1	482	0	43	0	0	0	0	525	81	106	7824	0	197	33	8766
7000 RSCH EQUIP & TECHNOL	118	33.4	117.2	503	87	221	0	0	0	0	812	582	3248	3882	366	410	325	9624
TOTAL	6690.2	24157.0	146893	12740	38654	20039	0	3672	592	223590	49462	143860	877945	91564	113795	96239	1596455	

## NATIONAL TOTAL SAES

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMPEVNS GT ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USQA CGCA	OTH FEO	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL	
SERIES 100																		
101 APPRAIS OF SOIL RESO	207	74.2	211.9	1525	42	125	0	0	0	40	1732	620	1060	8774	521	1513	1319	15540
102 SOIL PLNT WTR NUTRI	784	258.2	898.8	5677	641	583	4	0	0	0	6905	2226	5398	30266	3500	4171	4392	56858
103 MGMT OF SALINE SOILS	76	20.3	95.3	514	3	2	111	0	0	6	635	111	552	3323	627	254	206	5709
104 ALTERN USE OF LAND	122	31.7	64.0	779	7	11	0	0	0	0	797	93	387	3236	111	59	870	5553
105 CONSERV USE OF WATER	312	85.2	295.5	1614	45	143	17	0	0	36	1854	1102	2879	10756	695	1326	1272	19885
106 DRAIN AND IRRIGATION	122	35.9	111.3	688	0	43	0	0	0	4	735	216	545	4879	254	483	1633	8746
107 WATERSHED PROT & MGM	170	50.5	176.5	878	250	117	0	0	0	0	1245	1096	1097	5869	516	921	998	11742
108 ECON LEG PROB OF WAT	64	20.6	32.6	518	6	0	0	0	0	0	524	126	276	1982	80	92	76	3155
109 WEATHER ADAPT & MOO	140	44.1	133.6	948	55	11	0	0	0	0	1014	351	2209	4864	302	326	441	9507
110 APPRAIS FORST & RANG	111	34.5	92.5	264	683	7	0	0	0	0	954	532	1640	2796	306	375	730	7333
111 BIOL CULT MGMT FORST	296	108.9	307.1	277	3449	18	452	0	0	0	4196	2218	1208	10710	587	1373	1543	21833
112 IMPROV RANGE RESOR	188	52.1	152.4	1296	129	285	0	0	0	0	1711	445	534	6124	1440	249	424	10928
113 REMOTE SENSING	59	19.5	47.3	214	214	72	0	0	0	0	499	232	927	2122	100	208	241	4330
114 RSCH ON MGMT OF RSCH	34	10.9	37.0	482	0	43	0	0	0	0	525	81	106	7821	0	197	33	8762
SUBTOTAL		846.7	2655.9	15674	5524	1460	584	0	0	85	23328	9448	18817	103522	9043	11547	14178	189882
SERIES 200																		
201 CNTRL FORST INSECTS	128	33.1	100.0	443	705	13	705	0	0	0	1866	922	331	3848	78	323	300	7669
202 CONTROL FOREST OIS	108	34.2	100.9	458	636	1	286	0	0	6	1387	316	361	3810	99	524	459	6956
203 FOREST FIRE PROTECT	5	0.7	1.7	0	31	0	0	0	0	0	31	4	9	77	1	0	8	131
204 CNTR PESTS FRT & VEG	491	139.1	526.1	3135	0	1069	46	0	0	0	4249	726	1271	19404	780	2450	1592	30473
205 CNTR OISE FRT & VEG	736	237.0	913.7	4857	23	1749	299	0	0	12	6940	2002	1462	32840	1275	3365	2204	50089
206 CNTR WEEDS FRT & VEG	167	36.9	133.9	1110	0	175	90	0	0	0	1374	80	309	5142	243	733	266	8147
207 CNTR PESTS FLO CROPS	589	177.6	623.8	4633	0	1594	238	0	0	0	6465	1629	1600	20882	1200	2833	1915	36524
208 CNTR OIS FIELD CROPS	690	227.4	743.7	5428	0	1174	275	0	0	12	6888	1175	2122	26254	1750	4685	3033	45908
209 CNTR WEEDS FLO CROPS	318	107.2	408.5	2789	20	750	27	0	0	0	3585	812	450	13789	1110	2812	2068	24626
210 CNTR PESTS ANIMALS	145	39.8	139.5	905	4	397	0	0	191	0	1496	108	563	5176	833	493	601	9271
211 CNTR OIS ANIMALS	734	263.4	940.5	4143	0	2961	920	0	2515	0	10539	1400	6785	41018	4202	3665	3722	71331
212 CNTR INTER PARASITES	89	24.9	82.3	601	0	222	0	0	117	0	940	75	284	3037	295	543	144	5317
213 PROT ANMLS FROM TOXI	86	28.4	117.3	644	8	109	0	0	149	0	910	69	918	4227	446	409	150	7130
214 PROTECT FROM POLLUTI	186	48.1	200.2	1136	241	977	62	0	41	0	2457	1316	2028	6990	203	952	558	14505
SUBTOTAL		1397.8	5032.0	30282	1669	11188	2947	0	3012	30	49128	10634	18495	186494	12517	23787	17020	318075
SERIES 300																		
301 GENET BREED FORST TR	88	38.8	115.1	223	999	13	159	0	0	0	1393	167	491	3556	100	626	1798	8131
302 IMP FOREST ENG SYS	25	10.3	22.8	22	145	260	0	0	0	0	427	40	64	1245	45	187	67	2075
303 ECON TIMBER PRODUCTN	56	16.9	41.2	17	636	14	0	0	0	0	666	109	38	2204	98	325	208	3650
304 IMP BIO EFF FRT & VE	908	312.1	1242.0	7384	0	1694	957	0	0	0	10034	1931	2207	47602	2419	4750	3336	72278
305 MECH PROD FRT & VEGS	80	19.4	57.4	597	0	47	0	0	0	0	644	31	34	2858	71	290	183	4112
306 PROD MGMT SYS F & V	126	32.2	136.1	714	0	233	0	0	0	0	946	139	77	4221	273	237	371	6265
307 IMP BIO EFF FLO CRP	1244	501.7	2030.2	11164	0	890	1481	0	0	152	13686	3918	9295	68855	9615	9438	6983	121790
308 MECH PROD FIELD CROP	87	29.7	82.2	663	0	58	0	0	0	0	721	226	132	3961	196	645	270	6152
309 PROD MGMT SYS FLO CR	355	91.5	296.3	1956	0	276	7	0	0	0	2238	377	306	11614	1717	1326	1417	18994
310 ANIMAL REPRODUCTION	509	180.4	900.8	7044	0	276	2567	0	190	0	10076	2149	3486	31079	6263	2130	1522	56706
311 IMP BIO EFF ANML PR	1048	419.3	2226.8	15556	0	468	1013	0	279	0	17316	4123	4339	74814	25243	8794	5626	140255
312 ENV STRESS IN ANML P	156	45.4	164.6	1356	0	38	0	0	80	0	1474	49	403	6849	1641	436	304	11157
313 PROD MGMT SYS ANML P	256	55.1	274.5	1824	0	360	0	0	0	0	2184	99	130	10186	3106	465	585	16755
314 BEES OTH POLLNTNG IN	45	12.5	38.2	195	0	2	38	0	0	0	234	301	31	2022	170	57	137	2953
315 IMP STRUC FARM SUPP	91	37.3	89.6	991	0	168	0	0	0	0	1159	286	64	4104	539	385	270	6808
316 FARM BUSINESS MGMT	150	48.1	90.6	1006	0	129	0	0	0	0	1135	189	138	4663	225	132	189	6671
317 MECH/STRUCTS ANML PR	22	6.6	17.0	99	0	0	0	0	0	0	99	0	2	944	62	39	68	1214
318 NON COM BIO TECH/BIM	1341	481.5	1821.8	7411	106	385	8590	0	2	12	16506	2123	34251	58361	3340	7674	4708	126982
SUBTOTAL		2338.7	9647.4	58221	1885	5309	14811	0	551	164	80940	16258	55488	339140	55124	37937	28042	612929
SERIES 400																		
401 NEW IMP FOREST PROD	170	65.1	204.2	184	1348	919	296	0	0	0	2746	531	361	8926	329	1993	1079	15966
402 PROD F & V IMP ACCEP	266	50.2	173.4	933	0	474	0	0	0	0	1408	174	474	8060	319	1128	704	12268
403 NEW & IMP F & V PROD	166	55.3	176.2	1165	0	62	0	0	0	0	1227	112	171	7854	182	991	674	11210
404 MKT QUAL FRTS & VEGS	185	64.0	180.4	1568	0	442	0	0	0	0	2010	135	284	8822	148	1127	802	13329
405 PROD FLO CROP IMP AC	265	76.7	358.6	1722	0	258	0	0	0	0	1979	875	962	13175	2261	2525	1438	23216
406 NEW IMP FOOD FLO CRO	150	44.2	165.3	1075	0	803	0	0	0	87	1666	97	454	5606	140	1184	1340	10787
407 NEW IMP NON FOOD FC	92	25.5	97.1	395	0	1036	120	0	0	92	1643	98	407	3415	433	773	340	7109
408 MKT QUAL FIELD CROPS	80	29.2	69.4	577	0	2	0	0	0	0	579	60	864	2751	93	409	286	5042
409 PROD ANML PR IMP ACC	156	55.9	229.0	2078	0	230	49	0	0	0	2357	174	306	8551	1820	1802	673	15683
410 IMP MEAT MILK EGG PR	238	80.0	318.3	1955	0	29	0	0	0	0	1984	280	695	8656	956	2993	2211	17775
411 IMP NON FOOD ANML PR	16	5.4	12.4	146	0	0	0	0	0	0	146	0	206	494	10	72	70	998
412 MKT QUAL ANIMAL PROD	84	22.3	64.3	607	0	89	0	0	1	0	697	10	80	2894	157	878	321	5038
SUBTOTAL		573.8	2048.5	12406	1348	4343	465	0	1	180	18742	2547	5264	79203	6849	15877	9938	138422
SERIES 500																		
501 IMP GRADES & STANOS	49	10.4	27.6	310	0	29	0	0	0	0	339	81	80	1057	43	208	478	2285
502 MKTG TIMBER PRODUCTS	28	6.6	9.8	19	168	0	0											

## NATIONAL TOTAL SAES

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	---STAFF--- SUPPORT YRS SYS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USQA CGCA	OTH FEO	STATE APPRO	PROG SALE	INO -TRY	OTH -ER	TOTAL	
SERIES 700																		
701 TOX RES IN FOOD	128	42.7	146.9	1215	0	2725	0	0	19	0	3959	52	1463	3380	335	359	470	10018
702 FOOD PROT FROM TOX	156	53.1	202.0	1408	0	879	0	0	24	0	2311	169	2622	6289	143	1578	925	14038
703 FOOD CONSUMP HABITS	123	33.8	98.5	758	0	94	0	0	0	0	852	349	746	3227	210	772	163	6319
704 HOME COMM FOOD SERV	26	7.3	19.1	301	0	0	0	0	0	0	301	13	0	656	9	80	49	1109
705 SEL CARE CLOTH & TEX	72	14.4	41.6	293	0	0	0	0	0	0	293	45	38	1413	93	218	22	2123
706 CONTR INSECTS AFF MA	108	38.3	106.7	683	27	123	0	0	0	0	833	194	553	5508	149	670	378	8284
707 TRANS ANIML MAN DIS	25	4.3	16.0	49	0	0	0	0	1	0	51	11	430	809	8	157	39	1303
708 HUMAN NUTRITION	335	116.0	510.8	2337	0	428	1018	0	0	0	3784	373	7033	13885	885	2745	2792	31478
709 REDUCE HAZ HLTH & SF	69	17.2	38.1	228	0	0	0	0	0	0	228	24	558	2084	29	242	55	3199
SUBTOTAL		327.1	1179.6	7272	27	4250	1018	0	45	0	12611	1230	13443	37031	1838	6822	4893	77889
SERIES 800																		
801 RURAL HOUSING	43	10.6	23.9	212	0	0	0	0	0	0	212	4	9	1061	56	328	45	1715
802 INDIV & FAM DEC MAKI	200	53.2	114.8	899	0	18	0	0	0	0	917	34	643	4948	381	113	434	7468
803 RURAL POVERTY	20	3.8	16.1	50	0	42	0	0	0	0	92	25	32	195	109	43	142	640
804 ECON POTENT RURL PED	83	20.3	45.3	567	16	100	0	0	0	0	683	27	88	1587	102	152	73	2711
805 COMMUNICAT EDUC PROC	122	42.4	104.5	414	0	32	0	0	0	0	445	31	321	4376	256	278	639	6348
806 ADJUSTMENT TO CHANGE	174	47.5	112.3	967	0	105	0	0	0	0	1071	129	1392	4365	172	422	137	7689
807 AGRIC ECONOMIC CHANG	143	54.3	100.7	1110	10	322	0	0	0	0	1442	222	93	5594	127	209	645	8331
808 GOVT PROGRAMS	48	16.4	42.4	323	6	1045	0	0	0	0	1373	150	13	1861	88	122	326	3933
SUBTOTAL		248.5	560.0	4541	32	1663	0	0	0	0	6236	622	2592	23984	1292	1668	2440	38834
SERIES 900																		
901 ALLEV POLLUTION	499	154.2	591.5	3435	103	3360	0	0	0	134	7032	1105	5853	19933	900	4185	2470	41479
902 OUTDOOR RECREATION	98	29.8	66.3	285	248	24	0	0	0	0	557	401	645	2885	64	112	738	5401
903 MULTI USE FOREST PDT	90	22.2	76.1	156	693	0	0	0	0	0	850	197	830	2098	110	229	837	5150
904 WOLFE AND FISH ECOL	575	202.7	858.0	1791	658	1689	150	0	64	0	4352	2268	8420	24768	1698	3880	9220	54608
905 TREES BEAUTIFICATION	88	20.6	63.1	362	150	0	42	0	0	0	554	78	25	2680	97	249	115	3798
906 ORNAMENT & TURF DEV	511	178.8	590.5	4375	6	393	21	0	0	0	4794	341	458	24441	843	3940	1818	36633
907 RURAL INCOME IMP	112	33.8	61.4	878	8	327	0	0	0	0	1214	95	135	3243	55	153	257	5152
908 RURAL INSTITUT IMP	129	28.1	75.3	958	0	231	0	0	0	0	1189	324	86	2240	124	272	469	4704
SUBTOTAL		670.3	2382.2	12240	1866	6025	213	0	64	134	20543	16451	82287	3891	13021	15920	156922	
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		6690.2	24157.0	146893	12740	39654	20039	0	3672	592	223590	143880	877945	91564	113795	96239	1596455	

## NATIONAL TOTAL FORESTRY SCHOOLS

TABLE IV-B SUMMARY BY COMMOITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROO SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	47	12.1	29.4	0	158	0	24	0	0	0	180	91	98	1599	0	175	101	2242
0200 WATER	21	9.6	28.4	0	48	0	0	0	0	0	48	18	375	1444	8	5	0	1895
0300 WATERSHEDS RIVER BAS	40	9.5	45.6	0	78	0	0	0	0	0	78	112	899	2089	21	24	38	3082
0400 AIR AND CLIMATE	10	5.4	17.6	0	8	0	0	0	0	0	8	24	54	1056	0	18	175	1833
0500 RECREATION RESOURCES	41	13.2	31.4	0	91	0	0	0	0	0	91	95	727	373	21	290	227	1824
0600 TIMBER FORST PRODUCT	407	173.9	499.0	0	2783	704	389	0	0	0	3856	2513	3352	17501	530	2712	3071	33535
0700 RANGE	8	2.5	7.2	0	31	0	0	0	0	0	31	2	0	331	23	5	6	399
0800 WILDLIFE AND FISH	75	13.4	41.9	0	385	0	0	0	0	0	385	261	602	1136	21	137	368	2910
1000 FRUIT NUTS DECIDUOUS	1	0.2	0.2	0	3	0	0	0	0	0	3	0	0	11	0	0	0	14
1300 ORNAMENTALS TURF	2	0.0	0.0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	27
2500 OTHER OILSEED CROPS	1	0.2	2.1	0	0	0	0	0	0	0	0	0	0	0	0	119	0	119
2800 MISC NEW CROPS	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
3600 FARM SUPP & FACILITS	1	0.1	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	75	75
3900 HOUSING & EQUIP	8	1.0	3.1	0	0	0	0	0	0	0	0	0	0	78	0	60	134	272
4000 PEOPLE AS INDIVIDUAL	6	0.5	1.6	0	30	0	0	0	0	0	30	5	14	83	0	4	43	158
4300 SOC POLIT ORGANIZ	5	1.8	2.4	0	32	0	0	0	0	0	32	1	10	172	0	0	0	215
6300 BIO CELL SYSTEMS	2	2.0	1.9	0	0	0	0	0	0	0	0	0	93	80	0	0	32	205
6400 EXP DESIGN/STAT METH	2	0.3	2.6	0	18	0	0	0	0	0	18	1	5	42	0	13	66	142
8500 INVERTEBRATES	7	1.6	3.6	0	8	0	112	0	0	0	119	0	8	60	0	41	10	238
8600 MICROORGANISMS VIRUS	15	2.5	8.9	0	38	0	0	0	0	0	38	25	115	242	0	46	134	600
8700 PLANTS	10	1.2	3.2	0	0	0	33	0	0	0	33	28	44	54	0	49	4	212
8800 ANIMALS(VERTEBRATES)	1	0.1	0.0	0	0	0	0	0	0	0	0	0	0	10	0	4	0	14
8900 RESEARCH ON RSCH MGM	3	1.7	0.9	0	98	0	0	0	0	0	98	0	0	89	0	0	0	187
7000 RSCH EQUIP & TECHNOL	17	5.1	16.4	0	8	0	30	0	0	0	37	18	206	315	0	124	199	899
TOTAL		257.9	746.7	0	3811	704	567	0	0	0	5081	3192	6424	26744	623	3826	4688	50577

## NATIONAL TOTAL FORESTRY SCHOOLS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	STAFF OTHER OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROG SALE	INO -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	9	3.3	6.0	0	89	0	0	0	0	0	89	1	0	222	0	33	80	425
102 SOIL PLNT WTR NUTRI	37	11.2	41.8	0	199	0	24	0	0	0	223	411	1041	389	26	128	214	2431
103 MGMT OF SALINE SOILS	1	0.4	0.8	0	20	0	0	0	0	0	20	0	0	50	0	0	0	70
104 ALTERN USE OF LAND	7	0.3	1.5	0	15	0	0	0	0	0	15	1	0	54	0	32	6	108
105 CONSERV USE OF WATER	4	1.0	1.5	0	11	0	0	0	0	0	11	0	70	50	0	0	0	131
107 WATERSHED PROT & MGM	33	6.3	31.2	0	81	0	0	0	0	0	81	146	344	1286	8	20	28	1913
108 ECON LEG PROB OF WAT	1	0.1	0.1	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9
109 WEATHER ADAPT & MOO	10	1.9	5.5	0	31	0	0	0	0	0	31	0	182	228	0	18	9	468
110 APPRAIS FORST & RANG	46	8.6	19.1	0	271	0	0	0	0	0	271	101	334	785	0	165	191	1847
111 BIOL CULT MGMT FORST	107	54.5	189.0	0	832	0	55	0	0	0	887	1251	1208	5480	335	482	809	10451
112 IMPROV RANGE RESOR	4	2.3	6.9	0	19	0	0	0	0	0	19	0	0	307	23	0	6	355
113 REMOTE SENSING	15	3.2	6.9	0	107	0	0	0	0	0	107	0	134	120	0	35	21	417
114 RSCH ON MGMT OF RSCH	3	1.7	0.9	0	98	0	0	0	0	0	98	0	0	89	0	0	0	187
SUBTOTAL		94.8	291.4	0	1774	0	79	0	0	0	1853	1912	3320	9059	392	912	1363	18811
SERIES 200																		
201 CNTRL FORST INSECTS	22	2.4	13.8	0	113	0	3	0	0	0	118	27	64	355	0	85	26	674
202 CONTROL FOREST OIS	23	5.6	11.7	0	285	0	0	0	0	0	285	58	0	293	73	8	12	729
203 FOREST FIRE PROTECT	4	0.3	0.9	0	3	0	0	0	0	0	3	14	19	12	0	0	8	56
209 CNTR WEEOS FLO CROPS	1	0.0	0.0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
214 PROTECT FROM POLLUTI	21	5.8	23.0	0	83	51	0	0	0	0	134	31	108	429	0	339	227	1269
SUBTOTAL		14.1	49.4	0	483	51	4	0	0	0	538	135	190	1090	73	432	273	2731
SERIES 300																		
301 GENET BREED FORST TR	25	19.7	82.5	0	272	0	0	0	0	0	272	122	398	3080	73	244	118	4288
302 IMP FOREST ENG SYS	20	7.2	21.5	0	116	175	30	0	0	0	320	7	12	866	0	60	125	1390
303 ECON TIMBER PRODUCTN	16	4.9	9.4	0	129	59	0	0	0	0	188	16	12	439	2	27	12	696
307 IMP BIO EFF FLO CRP	2	0.1	0.4	0	0	0	17	0	0	0	17	0	0	1	0	0	1	19
318 NON COM BIO TECH/BIM	17	7.1	21.0	0	57	0	128	0	0	0	185	27	279	418	0	111	249	1269
SUBTOTAL		39.0	114.9	0	574	234	174	0	0	0	982	172	701	4785	75	442	505	7662
SERIES 400																		
401 NEW IMP FOREST PROG	87	48.4	118.3	0	239	282	299	0	0	0	819	132	471	5301	0	1282	833	8837
407 NEW IMP NON FOOD FC	1	0.2	2.1	0	0	0	0	0	0	0	0	0	0	0	0	119	0	119
SUBTOTAL		48.6	120.4	0	239	282	299	0	0	0	819	132	471	5301	0	1401	833	8956
SERIES 500																		
502 MKTG TIMBER PRODUCTS	11	4.2	8.4	0	45	138	0	0	0	0	183	135	0	131	0	49	63	561
506 SPLY DEMAND AND PRIC	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
512 IMP GRADES FRST PROG	2	0.6	0.3	0	31	0	12	0	0	0	43	0	0	12	0	0	0	55
513 PRICE ANAL FRST PROG	4	0.4	0.5	0	13	0	0	0	0	0	13	3	0	30	0	0	4	50
SUBTOTAL		5.2	9.2	0	89	138	12	0	0	0	239	138	0	178	0	49	67	671
SERIES 600																		
601 FGN MKT DEVELOP	3	1.7	5.0	0	23	0	0	0	0	0	23	271	0	57	0	0	0	350
603 TECH AID DEV CRTY	2	0.3	0.5	0	0	0	0	0	0	0	0	0	33	24	0	0	0	57
604 PRO OVLPMY/MKTG FRGN	2	0.1	0.2	0	0	0	0	0	0	0	0	7	13	0	0	0	0	20
SUBTOTAL		2.1	5.7	0	23	0	0	0	0	0	23	278	48	80	0	0	0	427
SERIES 700																		
702 FOOD PROT FROM TOX	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	2
707 TRANS ANML MAN OIS	1	0.0	0.5	0	0	0	0	0	0	0	0	0	0	12	0	0	16	28
SUBTOTAL		0.0	0.5	0	0	0	0	0	0	0	0	0	0	14	0	0	17	30
SERIES 800																		
801 RURAL HOUSING	1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10
804 ECON POTENT RURL PED	1	0.2	0.2	0	4	0	0	0	0	0	4	0	0	38	0	0	0	42
805 COMMUNICAT EDUC PROC	6	0.7	1.3	0	37	0	0	0	0	0	37	6	19	72	0	4	27	164
806 ADJUSTMENT TO CHANGE	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
SUBTOTAL		1.0	1.6	0	41	0	0	0	0	0	41	6	19	122	0	4	27	218
SERIES 900																		
901 ALLEY POLLUTION	27	23.1	76.9	0	12	0	0	0	0	0	12	32	403	4484	0	168	923	6021
902 OUTDOOR RECREATION	34	14.2	31.5	0	89	0	0	0	0	0	89	69	715	476	0	285	221	1854
903 MULTI USE FOREST POT	24	3.7	11.7	0	194	0	0	0	0	0	194	85	77	359	83	34	73	905
904 WLOLFE AND FISH ECOL	64	10.7	31.3	0	271	0	0	0	0	0	271	233	434	666	0	98	382	2084
905 TREES BEAUTIFICATION	5	0.1	0.4	0	0	0	0	0	0	0	0	2	50	45	0	0	0	96
906 ORNAMENT & TURF DEV	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
908 RURAL INSTITUT IMP	1	1.1	1.7	0	21	0	0	0	0	0	21	0	0	87	0	0	0	108
SUBTOTAL		52.9	153.5	0	587	0	0	0	0	0	587	420	1678	6116	83	585	1601	11070
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		257.9	746.7	0	3811	704	567	0	0	0	5081	3192	6424	26744	623	3826	4688	50577

## NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	13	5.5	14.4	0	0	0	0	732	0	0	732	0	8	9	6	0	0	756
0200 WATER	3	1.1	7.8	0	0	0	0	241	0	0	241	0	0	0	1	0	0	242
0300 WATERSHEDS RIVER BAS	2	3.0	2.5	0	0	0	0	183	0	0	183	0	0	0	0	0	0	183
0400 AIR AND CLIMATE	1	0.1	0.2	0	0	0	0	12	0	0	12	0	0	0	0	0	0	12
0600 TIMBER FORST PRODUCT	8	1.8	8.3	0	0	0	0	368	0	0	368	48	29	22	0	0	0	468
0700 RANGE	1	0.8	1.8	0	0	0	0	83	0	0	83	0	0	0	11	0	0	94
0800 WILDLIFE AND FISH	18	10.2	29.4	0	0	0	0	1749	0	0	1749	0	146	52	3	0	0	1950
0900 CITRUS SUB TROP FRUT	2	0.6	1.7	0	0	0	0	99	0	0	99	0	0	0	0	0	0	99
1000 FRUIT NUTS DECIDUOUS	8	3.6	11.1	0	0	0	0	505	0	0	505	0	0	7	0	0	0	512
1100 POTATOES	1	0.3	0.6	0	0	0	0	33	0	0	33	0	0	0	1	0	0	34
1200 VEGETABLES	25	18.3	42.4	0	0	0	0	2282	0	0	2282	0	61	23	20	0	0	2386
1300 ORNAMENTALS TURF	6	2.4	11.9	0	0	0	0	506	0	0	506	0	0	0	0	0	0	506
1400 CORN	3	1.1	5.7	0	0	0	0	267	0	0	267	0	1	0	0	0	0	268
1500 GRAIN SORGHUM	3	0.4	0.8	0	0	0	0	74	0	0	74	0	0	2	0	0	0	76
1700 WHEAT	4	0.2	1.2	0	0	0	0	26	0	0	26	23	1	2	0	0	0	52
1800 OTHER SMALL GRAINS	4	0.7	2.0	0	0	0	0	114	0	0	114	6	130	13	0	0	0	263
2000 FORAGE CROPS	10	3.4	12.0	0	0	0	0	509	0	0	509	0	10	32	1	0	0	552
2100 COTTON	1	0.0	0.0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
2300 SOYBEANS	21	15.0	34.6	0	0	0	0	2129	0	0	2129	0	8	137	15	0	0	2290
2400 PEANUTS	3	2.7	2.6	0	0	0	0	126	0	0	126	0	80	0	0	0	0	206
2500 OTHER OILSEED CROPS	2	1.3	3.3	0	0	0	0	162	0	0	162	0	0	1	0	0	0	163
2800 MISC NEW CROPS	1	0.6	1.6	0	0	0	0	76	0	0	76	0	0	0	0	0	0	76
2900 POULTRY	10	4.0	19.5	0	0	0	0	702	0	0	702	12	62	103	2	0	0	881
3000 BEEF CATTLE	9	2.8	15.2	0	0	0	0	630	0	0	630	1	0	35	28	0	0	693
3100 DAIRY CATTLE	4	1.1	5.1	0	0	0	0	208	0	0	208	1	0	5	0	0	0	212
3200 SWINE	8	4.9	18.0	0	0	0	0	1057	0	0	1057	0	0	27	27	0	0	1111
3300 SHEEP AND WOOL	3	1.1	3.2	0	0	0	0	156	0	0	156	0	7	30	14	0	0	208
3400 OTHER ANIMALS	24	21.5	55.0	0	0	61	0	3463	0	0	3524	0	76	29	5	0	0	3635
3500 BEES AND HONEY	1	1.0	3.1	0	0	0	0	130	0	0	130	0	0	0	0	0	0	130
3600 FARM SUPP & FACILITS	1	0.3	0.6	0	0	0	0	33	0	0	33	0	0	0	1	0	0	34
3700 CLOTHING & TEXTILES	13	3.3	8.3	0	0	0	0	576	0	0	576	0	0	8	0	0	0	584
3800 FOOD	14	5.4	14.3	0	0	0	0	836	0	0	836	0	0	1	1	0	0	838
3900 HOUSING & EQUIP	8	1.9	4.4	0	0	0	0	285	0	0	285	0	0	1	0	0	0	286
4000 PEOPLE AS INDIVIDUAL	28	15.0	36.0	0	0	0	0	1935	0	0	1935	0	0	15	6	0	0	1957
4100 FAMILY MEMBERS	10	3.4	6.9	0	0	0	0	391	0	0	391	0	19	1	1	0	0	412
4200 FARM AS BUSINESS	8	2.5	7.2	0	0	0	0	324	0	0	324	0	0	27	1	0	0	352
4300 SOC POLIT ORGANIZ	16	6.0	18.6	0	0	0	0	954	0	0	954	101	0	27	0	0	0	1082
4400 AGRIC ECONOMY U S	2	0.2	0.2	0	0	0	0	26	0	0	26	0	0	6	0	0	0	32
4700 OTH MARKET PROCESS	1	0.3	1.5	0	0	0	0	55	0	0	55	0	0	0	0	0	0	55
4800 MARKETING SYSTEMS	5	1.7	6.6	0	0	0	0	259	0	0	259	0	0	22	3	0	0	284
6100 WEEOS	1	0.1	0.3	0	0	0	0	18	0	0	18	0	0	0	0	0	0	18
6300 BIO CELL SYSTEMS	2	0.8	2.7	0	0	0	0	179	0	0	179	0	0	8	0	0	0	187
6500 INVERTEBRATES	1	1.0	1.0	0	0	0	0	63	0	0	63	0	0	0	0	0	0	63
6600 MICROORGANISMS VIRUS	1	0.1	0.4	0	0	0	0	22	0	0	22	0	0	0	0	0	0	22
6700 PLANTS	2	0.2	0.5	0	0	0	0	46	0	0	46	2	0	0	0	0	0	48
6800 ANIMALS(VERTEBRATES)	3	2.4	6.4	0	0	0	0	501	0	0	501	0	0	0	0	0	0	501
7000 RSCH EQUIP & TECHNOL	1	0.8	1.6	0	0	0	0	153	0	0	153	0	0	0	0	0	0	153
TOTAL		154.8	432.6	0	0	61	0	23273	0	0	23334	194	645	644	149	1	0	24967

## NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
102 SOIL PLNT WTR NUTRI	11	5.3	16.3	0	0	0	0	768	0	0	768	0	23	0	12	0	0	803
103 MGMT OF SALINE SOILS	1	0.1	1.5	0	0	0	0	105	0	0	105	0	0	9	0	0	0	114
104 ALTERN USE OF LAND	2	0.3	0.9	0	0	0	0	41	0	0	41	0	0	0	0	0	0	41
105 CONSERV USE OF WATER	3	3.4	2.7	0	0	0	0	229	0	0	229	0	0	0	0	0	0	229
106 DRAIN AND IRRIGATION	1	0.1	0.2	0	0	0	0	13	0	0	13	0	0	0	0	0	0	13
109 WEATHER ADAPT & MOO	1	0.2	0.5	0	0	0	0	24	0	0	24	0	0	0	0	0	0	24
110 APPRAIS FORST & RANG	1	0.6	1.3	0	0	0	0	62	0	0	62	0	0	0	8	0	0	70
111 BIOL CULT MGMT FORST	2	0.6	2.2	0	0	0	0	77	0	0	77	0	29	7	0	0	0	114
112 IMPROV RANGE RESOR	1	0.2	0.4	0	0	0	0	21	0	0	21	0	0	0	3	0	0	23
113 REMOTE SENSING	2	1.0	0.7	0	0	0	0	96	0	0	96	25	0	9	0	0	0	130
SUBTOTAL		11.7	26.9	0	0	0	0	1436	0	0	1436	25	53	25	23	0	0	1561
SERIES 200																		
204 CNTR PESTS FRT & VEG	3	1.2	3.3	0	0	0	0	138	0	0	138	2	0	0	0	0	0	140
205 CNTR OISE FRT & VEG	4	0.4	1.2	0	0	0	0	74	0	0	74	0	0	0	0	0	0	74
206 CNTR WEEDS FRT & VEG	3	1.2	2.1	0	0	0	0	140	0	0	140	0	0	0	0	0	0	140
207 CNTR PESTS FLO CROPS	4	6.3	16.3	0	0	0	0	667	0	0	667	0	0	35	1	0	0	703
208 CNTR OIS FIELD CROPS	1	0.7	0.0	0	0	0	0	77	0	0	77	0	0	5	0	0	0	82
211 CNTR OIS ANIMALS	4	0.9	3.8	0	0	0	0	175	0	0	175	7	0	16	0	0	0	197
212 CNTR INTER PARASITES	1	0.0	0.5	0	0	0	0	4	0	0	4	5	0	10	0	0	0	20
213 PROT ANMLS FROM TOXI	1	0.2	0.5	0	0	0	0	46	0	0	46	0	0	0	0	0	0	46
214 PROTECT FROM POLLUTI	1	1.4	2.7	0	0	0	0	268	0	0	268	0	0	0	0	0	0	268
SUBTOTAL		12.4	30.4	0	0	0	0	1590	0	0	1590	14	0	66	1	0	0	1670
SERIES 300																		
301 GENET BREED FORST TR	3	0.5	3.6	0	0	0	0	158	0	0	158	24	0	0	0	0	0	182
304 IMP BIO EFF FRT & VE	20	14.9	38.3	0	0	0	0	1940	0	0	1940	0	61	21	16	0	0	2039
306 PROO MGMT SYS F & V	3	0.6	2.6	0	0	0	0	96	0	0	96	0	0	7	0	0	0	103
307 IMP BIO EFF FLO CRP	21	10.5	28.1	0	0	0	0	1670	0	0	1670	29	134	127	15	0	0	1976
309 PROO MGMT SYS FLO CR	2	2.3	5.6	0	0	0	0	284	0	0	284	0	0	2	0	0	0	287
310 ANIMAL REPRODUCTION	14	8.4	33.0	0	0	14	0	1580	0	0	1594	0	0	70	47	0	0	1712
311 IMP BIO EFF ANML PR	26	16.7	57.0	0	0	40	0	3282	0	0	3322	1	44	65	16	0	0	3448
312 ENV STRESS IN ANML PR	1	0.5	1.3	0	0	0	0	74	0	0	74	0	0	1	0	0	0	74
313 PROO MGMT SYS ANML P	3	0.7	4.5	0	0	0	0	131	0	0	131	1	0	56	11	0	0	199
314 BEES OTH POLLNTNG IN	1	1.0	3.1	0	0	0	0	130	0	0	130	0	0	0	0	0	0	130
315 IMP STRUC FARM SUPP	1	0.3	0.6	0	0	0	0	33	0	0	33	0	0	0	1	0	0	34
316 FARM BUSINESS MGMT	5	1.9	4.8	0	0	0	0	224	0	0	224	0	0	14	0	0	0	238
318 NON COM BIO TECH/BIM	2	0.8	2.7	0	0	0	0	179	0	0	179	0	0	8	0	0	0	187
SUBTOTAL		59.0	185.2	0	0	54	0	9781	0	0	9835	54	239	371	106	0	0	10607
SERIES 400																		
402 PROO F & V IMP ACCEP	2	0.3	0.7	0	0	0	0	42	0	0	42	0	0	0	0	0	0	42
403 NEW & IMP F & V PROO	3	0.7	1.5	0	0	0	0	85	0	0	85	0	0	0	1	0	0	85
404 MKT QUAL FRTS & VEGS	2	0.3	0.8	0	0	0	0	51	0	0	51	0	0	0	0	0	0	51
405 PROO FLO CROP IMP AC	2	0.5	0.7	0	0	0	0	69	0	0	69	0	0	0	0	0	0	69
406 NEW IMP FOOD FLO CRO	4	1.6	3.3	0	0	0	0	196	0	0	196	0	1	8	0	0	0	206
407 NEW IMP NON FOOD FC	1	0.2	0.3	0	0	0	0	58	0	0	58	0	0	1	0	0	0	69
408 MKT QUAL FIELD CROPS	2	1.1	5.1	0	0	0	0	241	0	0	241	0	1	0	0	0	0	242
409 PROO ANML PR IMP ACC	4	0.9	2.3	0	0	3	0	90	0	0	93	0	31	0	0	0	0	124
410 IMP MEAT MILK EGG PR	4	2.5	3.9	0	0	2	0	398	0	0	400	0	0	0	0	0	0	400
411 IMP NON FOOD ANML PR	1	0.4	0.8	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2
SUBTOTAL		8.6	19.3	0	0	7	0	1241	0	0	1248	0	33	9	1	0	0	1291
SERIES 500																		
503 MKTG EFF AGRI PROOS	1	0.2	0.0	0	0	0	0	15	0	0	15	0	0	0	0	0	0	15
506 SPLY DEMAND AND PRIC	5	2.2	4.4	0	0	0	0	285	0	0	285	0	0	0	0	0	0	285
507 COMP REL IN AGRIC	1	0.3	0.8	0	0	0	0	69	0	0	69	0	0	0	0	0	0	69
508 DOMESTIC MKT OEVELP	4	1.4	4.1	0	0	0	0	266	0	0	266	0	0	0	0	0	0	266
509 PERFORMANCE MKTG SYS	7	1.9	7.4	0	0	0	0	296	0	0	296	0	0	7	3	0	0	307
510 GROUP ACT MKT POWER	1	0.1	0.0	0	0	0	0	1	0	0	1	0	0	15	0	0	0	15
SUBTOTAL		6.0	16.8	0	0	0	0	931	0	0	931	0	0	23	3	0	0	957
SERIES 600																		
603 TECH AID DEV CRTY	3	1.9	0.5	0	0	0	0	0	0	0	0	0	114	0	0	0	0	114
SUBTOTAL		1.9	0.5	0	0	0	0	0	0	0	0	0	114	0	0	0	0	114



## NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRO	PROG SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	1	0.5	0.4	0	0	0	0	70	0	0	70	0	0	0	1	0	0	71
702 FOOD PROT FROM TOX	4	1.0	3.7	0	0	0	0	152	0	0	152	0	31	8	2	0	0	193
703 FOOD CONSUMP HABITS	17	4.8	14.1	0	0	0	0	863	0	0	863	0	1	1	0	0	0	866
705 SEL CARE CLOTH & TEX	12	3.1	8.0	0	0	0	0	508	0	0	508	0	0	7	0	0	0	515
708 HUMAN NUTRITION	20	10.1	20.6	0	0	0	0	1273	0	0	1273	0	0	6	3	0	0	1282
SUBTOTAL		19.5	46.9	0	0	0	0	2866	0	0	2866	0	33	22	7	0	0	2927
SERIES 800																		
801 RURAL HOUSING	13	2.5	7.6	0	0	0	0	446	0	0	446	0	0	1	0	0	0	448
802 INDIV & FAM DEC MAKI	9	2.8	4.5	0	0	0	0	312	0	0	312	0	0	0	2	0	0	314
803 RURAL POVERTY	2	0.3	0.7	0	0	0	0	39	0	0	39	0	0	0	0	0	0	39
804 ECON POTENT RURL PED	11	4.8	10.7	0	0	0	0	553	0	0	553	0	19	15	4	0	0	591
805 COMMUNICAT EDUC PROC	8	3.5	14.6	0	0	0	0	584	0	0	584	0	0	14	0	0	0	598
806 ADJUSTMENT TO CHANGE	9	3.8	8.1	0	0	0	0	411	0	0	411	0	0	0	0	0	0	412
807 AGRIC ECONOMIC CHANG	5	1.9	6.2	0	0	0	0	312	0	0	312	0	0	32	1	0	0	345
SUBTOTAL		19.6	52.4	0	0	0	0	2656	0	0	2656	0	19	62	9	0	0	2747
SERIES 900																		
901 ALLEY POLLUTION	4	1.4	9.2	0	0	0	0	298	0	0	298	0	8	0	0	0	0	306
904 WOLFE AND FISH ECOL	17	10.4	26.7	0	0	0	0	1615	0	0	1615	0	146	52	0	0	0	1814
905 TREES BEAUTIFICATION	2	0.4	1.7	0	0	0	0	99	0	0	99	0	0	15	0	0	0	114
906 ORNAMENT & TURF OEY	6	2.3	11.9	0	0	0	0	497	0	0	497	0	0	0	0	0	0	497
907 RURAL INCOME IMP	1	0.0	0.0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	5
908 RURAL INSTITUT IMP	4	1.4	4.7	0	0	0	0	257	0	0	257	101	0	0	0	0	0	357
SUBTOTAL		16.0	54.3	0	0	0	0	2772	0	0	2772	101	154	66	0	0	0	3093
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		154.8	432.6	0	0	61	0	23273	0	0	23334	194	645	644	149	1	0	24967

## NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	ND OF PRDJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FED	STATE APPRD	PRDD SALE	IND -TRY	DTH -ER	TOTAL
0800 WILDLIFE AND FISH	33	11.5	37.6	0	0	16	100	0	22	0	138	100	515	1057	53	12	257	2133
2900 POULTRY	86	29.5	115.3	0	0	206	0	0	205	0	411	32	492	4704	211	382	410	6643
3000 BEEF CATTLE	143	87.0	179.2	0	0	283	109	0	257	0	648	212	6758	4367	3341	1347	1563	18237
3100 DAIRY CATTLE	159	53.4	176.6	0	0	227	115	0	269	0	611	393	2084	3514	2083	3566	1365	13816
3200 SWINE	151	43.9	86.4	0	0	334	0	0	202	0	536	233	1084	5246	464	884	498	8945
3300 SHEEP AND WOOL	42	23.8	72.7	0	0	75	83	0	67	0	226	107	2642	1297	677	132	356	5436
3400 OTHER ANIMALS	292	105.1	462.4	0	0	97	0	0	183	0	279	17	9844	7173	1544	1837	4424	25119
4000 PEOPLE AS INDIVIDUAL	11	5.0	26.7	0	0	0	0	0	0	0	0	8	1022	430	2	188	87	1733
4100 FAMILY MEMBERS	2	0.0	0.8	0	0	0	0	0	0	0	0	0	2	0	72	0	1	75
8300 BIO CELL SYSTEMS	8	4.2	21.4	0	0	0	0	0	6	0	6	0	428	304	0	39	77	854
8500 INVERTEBRATES	2	0.3	4.4	0	0	0	0	0	0	0	0	0	201	37	0	4	15	257
8600 MICROORGANISMS VIRUS	11	3.3	8.4	0	0	0	39	0	26	0	66	0	51	385	48	16	57	620
8800 ANIMALS(VERTEBRATES)	148	123.7	395.3	0	0	22	0	0	85	0	107	6	11295	15575	1523	483	2058	31046
7000 RSCH EQUIP & TECHNOL	3	0.6	5.8	0	0	0	0	0	0	0	0	0	26	194	0	20	0	239
TOTAL		491.3	1593.1	0	0	1259	447	0	1323	0	3029	1105	38443	44283	10015	8911	11170	114956

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	ND OF PRDJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	DTH CSRS	TOTAL CSRS	USDA CGCA	DTH FED	STATE APPRD	PRDD SALE	IND -TRY	DTH -ER	TOTAL
SERIES 200																		
210 CNTR PESTS ANIMALS	4	1.2	1.4	0	0	0	0	0	0	0	0	0	1	85	0	0	25	111
211 CNTR DIS ANIMALS	575	320.4	985.5	0	0	1040	89	0	1026	0	2154	716	14967	32771	7349	3841	6689	68287
212 CNTR INTER PARASITES	29	5.5	13.6	0	0	78	0	0	14	0	92	0	208	451	192	225	199	1364
213 PRDT ANMLS FROM TOXI	48	55.9	115.5	0	0	29	0	0	93	0	121	50	7628	3387	1199	892	1729	15005
214 PROTECT FROM POLLUTI	15	10.2	80.7	0	0	0	0	0	0	0	0	0	2481	1075	48	56	267	3927
SUBTOTAL		393.2	1196.7	0	0	1146	89	0	1132	0	2367	766	25282	37769	8788	4814	8908	88694
SERIES 300																		
310 ANIMAL REPRODUCTION	51	18.8	112.8	0	0	32	258	0	75	0	385	52	3044	1835	493	80	555	6424
311 IMP BID EFF ANML PR	87	29.2	118.1	0	0	24	0	0	82	0	86	0	4161	1518	276	3574	821	10436
312 ENV STRESS IN ANML P	19	12.9	21.3	0	0	3	0	0	5	0	8	0	984	701	150	31	200	2084
313 PRDD MGMT SYS ANML P	2	0.6	0.3	0	0	0	0	0	0	0	0	0	0	52	12	78	68	211
318 NDN COM BID TECH/BIM	29	16.9	54.8	0	0	0	0	0	8	0	8	0	1400	668	7	44	326	2450
SUBTOTAL		78.4	307.3	0	0	59	258	0	149	0	465	52	9600	4773	939	3807	1969	21605
SERIES 400																		
409 PRDD ANML PR IMP ACC	3	0.2	7.9	0	0	2	0	0	2	0	4	0	9	20	0	20	23	76
412 MKT QUAL ANIMAL PRDD	3	0.7	4.6	0	0	0	0	0	0	0	0	0	188	85	0	0	12	294
SUBTOTAL		1.0	12.5	0	0	2	0	0	2	0	4	0	207	105	0	20	35	370
SERIES 500																		
511 IMP AGRIC STATISTICS	1	0.2	4.0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	151
SUBTOTAL		0.2	4.0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	151
SERIES 700																		
701 TOX RES IN FOOD	3	1.8	11.7	0	0	52	0	0	17	0	69	0	14	102	167	70	30	452
703 FOOD CONSUMP HABITS	1	0.8	0.0	0	0	0	0	0	0	0	0	0	0	55	0	4	0	60
707 TRANS ANML MAN DIS	9	3.6	23.1	0	0	0	0	0	0	0	0	6	777	324	72	184	85	1448
708 HUMAN NUTRITION	1	2.0	8.5	0	0	0	0	0	0	0	0	182	0	0	0	0	0	182
709 REDUCE HAZ HLTH & SF	2	0.6	4.3	0	0	0	0	0	0	0	0	0	247	50	1	0	1	300
SUBTOTAL		8.8	47.6	0	0	52	0	0	17	0	89	188	1037	532	241	258	117	2442
SERIES 800																		
806 ADJUSTMENT TO CHANGE	1	0.0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
SUBTOTAL		0.0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
SERIES 900																		
904 WDLFE AND FISH ECOL	28	9.7	24.9	0	0	0	100	0	22	0	123	100	317	953	48	12	140	1693
SUBTOTAL		9.7	24.9	0	0	0	100	0	22	0	123	100	317	953	48	12	140	1693
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		491.3	1593.1	0	0	1259	447	0	1323	0	3029	1105	38443	44283	10015	8911	11170	114956

## NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

TABLE IV-B SUMMARY BY COMMODITY OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF		HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND TRY	OTH -ER	TOTAL
		SUPPORT SYS	YRS OTHER															
0100 SOIL AND LAND	1	0.0	0.0	0	0	0	0	0	0	15	15	0	0	0	0	0	0	15
0200 WATER	1	1.0	1.3	0	0	234	0	0	0	0	234	0	0	0	0	0	0	234
0600 TIMBER FORST PRODUCT	34	4.3	16.2	0	0	0	780	0	0	448	1228	0	172	27	10	0	0	1438
0700 RANGE	2	1.1	0.2	0	0	38	0	0	0	0	38	0	0	0	0	0	23	81
0800 WILDLIFE AND FISH	7	8.8	18.7	0	0	4021	0	0	0	0	4021	0	0	0	0	0	0	4021
0900 CITRUS SUB TROP FRUT	2	0.5	2.8	0	0	0	6	0	0	100	108	0	0	0	0	0	0	108
1000 FRUIT NUTS DECIDUOUS	2	2.3	0.9	0	0	0	0	0	0	97	97	0	0	0	0	0	0	97
1100 POTATOES	1	0.1	0.0	0	0	0	0	0	0	17	17	0	0	0	0	0	0	17
1200 VEGETABLES	4	1.2	3.2	0	0	0	91	0	0	134	225	0	0	2	0	0	0	228
1400 CORN	13	1.6	5.6	0	0	7	527	0	0	154	688	0	218	16	0	0	133	1056
1500 GRAIN SORGHUM	2	0.2	0.3	0	0	9	0	0	0	5	14	0	0	0	0	0	0	14
1700 WHEAT	3	0.0	0.3	0	0	6	60	0	0	0	66	0	0	0	0	0	0	66
1800 OTHER SMALL GRAINS	2	0.0	0.1	0	0	2	20	0	0	0	22	0	0	0	0	0	0	22
2100 COTTON	1	0.0	0.3	0	0	0	6	0	0	0	6	0	0	0	0	0	0	6
2300 SOYBEANS	5	2.2	0.6	0	0	0	247	0	0	0	247	0	0	0	0	0	0	247
2600 TOBACCO	1	0.1	1.0	0	0	0	50	0	0	0	50	0	0	0	0	0	0	50
2900 POULTRY	17	3.4	11.0	0	0	25	548	0	0	151	723	35	30	21	0	0	58	867
3000 BEEF CATTLE	13	6.3	4.6	0	0	225	447	0	0	171	843	0	0	0	0	0	14	857
3200 SWINE	7	0.9	2.6	0	0	44	286	0	0	0	330	0	6	25	0	18	0	379
3400 OTHER ANIMALS	7	1.6	5.4	0	0	0	378	0	0	0	378	0	0	33	0	0	5	415
3800 FOOD	3	1.1	2.5	0	0	0	0	0	0	202	202	0	0	0	0	0	0	202
4000 PEOPLE AS INDIVIDUAL	10	0.7	7.0	0	0	0	702	0	0	0	702	0	0	90	0	0	0	792
4100 FAMILY MEMBERS	1	0.0	0.1	0	0	0	13	0	0	0	13	0	0	0	0	0	0	13
4300 SOC POLIT ORGANIZ	1	0.0	2.9	0	0	0	0	0	0	68	68	0	0	0	0	0	0	68
4400 AGRIC ECONOMY U S	1	0.0	5.6	0	0	437	0	0	0	0	437	0	0	0	0	0	0	437
4500 AGRIC ECONOMY FORGN	1	0.0	5.6	0	0	437	0	0	0	0	437	0	0	0	0	0	0	437
6300 BIO CELL SYSTEMS	5	0.3	3.2	0	0	0	126	0	0	0	126	0	0	26	0	0	0	152
6500 INVERTEBRATES	30	6.8	11.8	0	0	0	1339	0	0	0	1339	47	25	55	0	0	42	1507
6600 MICROORGANISMS VIRUS	37	9.2	23.7	0	0	0	1565	0	0	0	1565	0	287	47	0	55	0	1953
6700 PLANTS	54	11.9	31.0	0	0	0	2477	0	0	207	2683	22	479	143	0	0	35	3362
6800 ANIMALS(VERTEBRATES)	7	5.0	35.9	0	0	0	454	0	0	0	454	24	15	0	0	0	0	492
7000 RSCH EQUIP & TECHNOL	1	1.0	1.9	0	0	443	0	0	0	0	443	0	0	0	0	0	0	443
TOTAL		71.8	208.5	0	0	5926	10121	0	0	1768	17814	128	1233	484	10	73	210	20052

## NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

TABLE IV-0 SUMMARY BY PROBLEM AREA OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
102 SOIL PLNT WTR NUTRI	2	0.0	0.1	0	0	0	14	0	0	15	28	0	0	0	0	0	0	28
105 CONSERV USE OF WATER	1	0.0	0.0	0	0	0	6	0	0	0	6	0	0	0	0	0	0	6
109 WEATHER ADAPT & MOD	1	0.7	0.9	0	0	0	0	0	0	53	53	0	0	0	0	0	0	53
111 BIOL CULT MGMT FORST	9	1.1	2.3	0	0	0	264	0	0	17	281	0	0	0	0	0	0	281
112 IMPROV RANGE RESOR	2	1.1	0.2	0	0	38	0	0	0	0	38	0	0	0	0	0	23	61
SUBTOTAL		2.9	3.5	0	0	38	284	0	0	84	407	0	0	0	0	0	23	430
SERIES 200																		
201 CNTRL FORST INSECTS	3	0.0	0.0	0	0	0	76	0	0	0	76	0	0	0	0	0	0	76
204 CNTR PESTS FRT & VEG	3	0.8	2.0	0	0	0	6	0	0	161	167	0	0	12	0	0	0	180
205 CNTR DISE FRT & VEG	3	2.5	1.6	0	0	0	0	0	0	170	170	0	0	12	0	0	0	183
206 CNTR WEEDS FRT & VEG	1	0.1	1.3	0	0	0	20	0	0	0	20	0	0	0	0	0	0	20
207 CNTR PESTS FLD CROPS	5	2.9	2.4	0	0	0	122	0	0	27	149	0	0	12	0	0	0	161
208 CNTR DIS FIELD CROPS	2	0.5	0.6	0	0	0	0	0	0	32	32	0	0	12	0	0	0	44
209 CNTR WEEDS FLD CROPS	1	0.0	1.0	0	0	25	0	0	0	0	25	0	0	0	0	0	0	25
210 CNTR PESTS ANIMALS	1	0.0	0.0	0	0	15	0	0	0	0	15	0	0	0	0	0	0	15
211 CNTR DIS ANIMALS	18	8.6	6.8	0	0	278	397	0	0	74	750	0	15	24	0	18	14	821
214 PROTECT FROM POLLUTI	1	0.0	0.0	0	0	0	16	0	0	0	16	0	0	0	0	0	0	16
SUBTOTAL		15.5	15.7	0	0	318	638	0	0	465	1421	0	15	74	0	18	14	1541
SERIES 300																		
301 GENET BREED FORST TR	2	0.0	1.8	0	0	0	62	0	0	0	62	0	0	0	0	0	0	62
302 IMP FOREST ENG SYS	1	0.0	0.5	0	0	0	10	0	0	0	10	0	0	0	0	0	0	10
304 IMP BIO EFF FRT & VE	4	0.8	2.1	0	0	0	91	0	0	17	108	0	0	2	0	0	0	110
305 PROD MGMT SYS F & V	1	0.5	2.5	0	0	0	0	0	0	100	100	0	0	0	0	0	0	100
307 IMP BIO EFF FLD CRP	17	3.9	8.1	0	0	0	1091	0	0	41	1133	0	218	16	0	0	133	1500
310 ANIMAL REPRODUCTION	17	3.7	11.1	0	0	0	837	0	0	248	1085	0	21	54	0	0	13	1173
311 IMP BIO EFF ANML PR	11	4.2	15.8	0	0	0	587	0	0	0	587	36	15	1	0	0	50	688
318 NON COM BIO TECH/BIM	114	25.1	88.3	0	0	443	5306	0	0	0	5749	92	887	220	0	55	77	7080
SUBTOTAL		38.2	130.2	0	0	443	7985	0	0	405	8833	128	1141	293	0	55	273	10722
SERIES 400																		
401 NEW IMP FOREST PROD	18	2.6	9.8	0	0	0	379	0	0	351	730	0	77	27	10	0	0	844
405 PROD FLD CROP IMP AC	1	0.0	0.0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	4
406 NEW IMP FOOD FLD CRO	1	0.1	0.6	0	0	0	0	0	0	113	113	0	0	0	0	0	0	113
407 NEW IMP NON FOOD FC	1	0.0	1.6	0	0	0	59	0	0	0	59	0	0	0	0	0	0	59
409 PROD ANML PR IMP ACC	1	0.0	2.0	0	0	30	0	0	0	0	30	0	0	0	0	0	0	30
SUBTOTAL		2.7	14.0	0	0	30	442	0	0	463	936	0	77	27	10	0	0	1050
SERIES 500																		
508 DOMESTIC MKT DEVELP	1	6.3	5.2	0	0	1948	0	0	0	0	1948	0	0	0	0	0	0	1948
512 IMP GRADES FRST PROD	1	0.6	0.8	0	0	0	0	0	0	81	81	0	0	0	0	0	0	81
SUBTOTAL		6.9	6.0	0	0	1948	0	0	0	81	2029	0	0	0	0	0	0	2029
SERIES 600																		
601 FGN MKT DEVELP	1	0.0	11.3	0	0	873	0	0	0	0	873	0	0	0	0	0	0	873
604 PRD QVLPMT/MKTG FRGN	1	0.8	0.6	0	0	244	0	0	0	0	244	0	0	0	0	0	0	244
SUBTOTAL		0.8	11.9	0	0	1117	0	0	0	0	1117	0	0	0	0	0	0	1117
SERIES 700																		
701 TOX RES IN FOOD	2	0.7	2.3	0	0	0	0	0	0	143	143	0	0	0	0	0	0	143
702 FOOD PROT FROM TOX	1	0.4	0.2	0	0	0	0	0	0	58	58	0	0	0	0	0	0	58
708 HUMAN NUTRITION	12	1.0	7.6	0	0	0	771	0	0	0	771	0	0	90	0	0	0	861
SUBTOTAL		2.1	10.1	0	0	0	771	0	0	202	973	0	0	90	0	0	0	1063
SERIES 900																		
901 ALLEV POLLUTION	1	1.0	1.3	0	0	234	0	0	0	0	234	0	0	0	0	0	0	234
904 WLOLFE AND FISH ECOL	7	1.7	10.9	0	0	1799	0	0	0	0	1799	0	0	0	0	0	0	1799
908 RURAL INSTITUT IMP	1	0.0	2.9	0	0	0	0	0	0	68	68	0	0	0	0	0	0	68
SUBTOTAL		2.7	15.1	0	0	2032	0	0	0	68	2100	0	0	0	0	0	0	2100
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		71.8	206.5	0	0	5926	10121	0	0	1768	17814	128	1233	484	10	73	310	20052

SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF		HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FEO	STATE APPRD	PROG SALE	IND -TRY	OTH -ER	TOTAL
			SYS	OTHER															
CONNECTICUT	NEW HAVEN	61	44.8	34.1	674	139	23	19	0	0	0	855	0	25	4243	0	0	0	5123
CONNECTICUT	STORRS	58	23.9	72.4	856	44	282	49	0	22	0	1252	44	600	2808	0	158	718	5581
DIST OF COLUM	WASHINGTON	7	3.3	17.5	480	0	0	0	0	0	0	480	0	0	298	0	0	0	778
DELAWARE	NEWARK	150	34.4	79.8	1089	89	18	0	0	19	33	1249	77	84	4175	306	683	1038	7612
MASSACHUSETTS	AMHERST	115	48.5	148.8	1859	198	199	594	0	12	0	2861	78	266	3904	531	1200	450	9290
MARYLAND	COLLEGE PA	123	64.9	219.8	2081	228	84	11	0	43	0	2407	1583	951	14198	647	0	92	19859
MAINE	ORONO	125	59.3	107.1	1531	488	271	173	0	16	0	2487	391	604	5720	522	966	1290	11980
NEW HAMPSHIRE	DURHAM	88	27.8	59.1	1195	283	0	120	0	10	0	1588	0	0	2384	252	0	0	4223
NEW JERSEY	NEW BRUNSW	248	96.4	182.7	2295	175	848	97	0	25	0	3240	115	621	9122	0	1318	2101	16517
NEW YORK	ITHACA	851	228.5	2301.3	3832	131	725	1158	0	79	43	5968	1296	10568	20204	7832	4105	9785	59758
NEW YORK	GENEVA	126	52.4	382.7	752	0	418	138	0	0	12	1318	489	294	6449	680	785	1007	11001
PENNSYLVANIA	COLLEGE PA	332	151.5	513.1	5108	398	818	412	0	67	22	6823	830	2302	19486	0	2949	4394	36784
RHODE ISLAND	KINGSTON	51	23.8	22.5	1038	85	0	0	0	7	0	1128	0	155	2183	0	0	19	3485
VERMONT	BURLINGTON	52	21.4	57.7	1223	0	0	0	0	17	0	1240	480	138	1809	0	887	0	4853
WEST VIRGINIA	MORGANTOWN	86	38.9	96.3	2253	324	155	10	0	12	0	2755	502	280	3123	686	134	326	7806
SUBTOTAL - SAES		2471		4294.5		2589		2781		328		35650		16885		11456		21220	
			917.9		26242		3620		0		110		5845		100106		13286		204449
FORESTRY SCH	SYRACUSE	143	80.1	243.7	0	396	0	238	0	0	0	634	153	1141	13635	0	1643	1456	18663
FORESTRY SCH	BURLINGTON	10	4.5	5.1	0	250	0	0	0	0	0	250	117	20	315	2	0	106	809
SUBTOTAL - FRSTY SCH		153		248.8		645		238		0		883		1160		2		1562	
			84.6		0		0		0		0		271		13950		1643		19472
DEL STATE CDL	DOVER	7	5.7	4.0	0	0	0	0	483	0	0	483	0	0	89	0	0	0	571
MO. STATE CDL	PRINCESS A	11	7.1	10.9	0	0	0	0	842	0	0	842	14	146	259	0	0	0	1261
SUBTOTAL - 1890/TUSK		18		14.9		0		0		0		1325		146		0		0	
			12.8		0		0		1325		0		14		347		0		1832
SCH VET MED	MASSACHUSE	17	21.0	19.0	0	0	0	0	0	27	0	27	0	1266	0	0	250	134	1678
SCH VET MED	NEW YDRK	140	58.0	500.1	0	0	92	157	0	205	0	453	20	5762	5052	2124	978	2675	17081
SCH VET MED	PENNSYLVAN	101	23.6	110.6	0	0	68	0	0	81	0	148	3	3458	1769	0	112	1795	7286
SUBTOTAL - VET MED		258		829.7		0		157		312		628		10485		2124		4603	
			100.6		0		159		0		0		23		6821		1338		26023
OTH CDDP INS	CONNECTICU	3	0.8	3.4	0	0	0	80	0	0	0	80	0	0	0	0	0	50	130
OTH CDDP INS	DELAWARE	1	1.0	0.0	0	0	0	51	0	0	0	51	0	0	0	0	0	0	51
OTH CDDP INS	MASSACHUSE	13	2.3	15.2	0	0	659	301	0	0	283	1243	0	0	0	0	0	0	1243
OTH CDDP INS	MARYLAND	24	7.3	5.4	0	0	0	820	0	0	0	820	47	117	20	0	0	28	1032
OTH CDDP INS	N HAMPSHIR	1	0.2	0.5	0	0	0	34	0	0	0	34	0	0	0	0	0	0	34
OTH CDDP INS	NEW YORK	14	2.8	2.0	0	0	0	803	0	0	0	803	0	0	0	0	0	21	823
OTH CDDP INS	PENNSYLVAN	12	1.1	4.6	0	0	0	649	0	0	93	742	0	0	0	0	0	8	750
OTH CDDP INS	RHODE ISLA	1	0.0	0.0	0	0	0	44	0	0	0	44	0	0	0	0	0	0	44
OTH CDDP INS	W VIRGINIA	1	0.6	0.7	0	0	0	69	0	0	0	69	0	0	0	0	0	0	69
SUBTOTAL - OCI		70		31.8		0		2851		0		3887		117		0		107	
			16.1		0		659		0		378		47		20		0		4177
TOTAL		2970		5219.7		3215		6027		640		42373		28794		13582		27492	
			1132.0		26242		4438		1325		486		6199		121244		16267		255952

## SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF SUPPORT SYS	OTHER YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	INO -TRY	OTH -ER	TOTAL
ALABAMA	AUBURN	237	124.0	545.9	3353	561	214	75	0	52	0	4254	648	1094	17040	4288	1009	1648	29981
ARKANSAS	FAYETTEVILL	219	116.9	524.8	2891	451	1970	116	0	79	32	5538	531	463	17520	0	1843	2844	28739
FLORIDA	GAINESVILL	638	412.8	1277.7	2433	478	1449	1127	0	74	0	5561	2074	5982	60896	0	8095	4400	87008
GEORGIA	ATHENS	361	178.6	581.8	3982	581	585	238	0	23	0	5409	1025	1526	37962	0	504	2761	49186
KENTUCKY	LEXINGTON	167	126.9	404.5	4149	387	0	14	0	88	0	4619	0	26	14585	0	11	0	19241
LOUISIANA	BATON ROUG	435	203.9	236.8	2755	353	439	84	0	61	0	3692	267	522	19892	3238	2550	2683	32844
MISSISSIPPI	STATE COLL	306	192.7	658.1	3461	549	2374	55	0	75	0	6514	773	1211	19645	2617	1953	4651	37366
NORTH CAROLINA	RALEIGH	564	242.0	815.2	5484	529	359	578	0	113	0	7061	2351	7833	37360	1340	2411	7945	66301
OKLAHOMA	STILLWATER	208	120.3	380.4	2580	271	893	238	0	114	0	4095	435	907	14512	1850	1051	1109	24060
PUERTO RICO	RIO PIEDRA	62	58.3	326.0	3598	68	464	0	0	0	0	4129	0	0	6635	867	0	0	11632
SOUTH CAROLINA	CLEMSON	234	110.8	375.0	2882	0	553	3	0	22	0	3460	970	684	17775	0	3312	513	26715
TENNESSEE	KNOXVILLE	191	116.0	367.7	4037	389	215	123	0	67	0	4830	109	338	14229	3166	799	321	23793
TEXAS	COLLEGE ST	482	288.0	1550.5	4716	219	1294	531	0	320	0	7081	4414	6307	44247	9002	9426	1	80478
VIRGINIA	BLACKSBURG	304	181.5	577.8	3514	453	0	0	0	96	0	4063	1969	5339	25436	0	5132	3133	45072
VIRGIN ISLANDS	ST. THOMAS	18	5.2	25.8	699	46	112	0	0	0	0	857	0	0	448	0	0	0	1305
SUBTOTAL - SAES		4424	2477.5	8647.8	50532	5316	10920	3179	0	1183	32	71162	15568	32233	348285	26369	38095	32008	563721
FORESTRY SCH	RUSTON	10	2.8	0.0	0	145	0	0	0	0	0	145	0	0	216	0	0	0	361
FORESTRY SCH	CLEMSON	41	13.3	29.6	0	432	0	0	0	0	0	432	0	0	1095	104	0	0	1630
FORESTRY SCH	NACOGDOCHE	13	4.6	17.4	0	210	0	0	0	0	0	210	48	232	588	0	0	236	1314
SUBTOTAL - FRSTY SCH		64	20.7	47.0	0	787	0	0	0	0	0	787	48	232	1898	104	0	236	3305
ALA TUSKEGEE	TUSKEGEE	8	7.5	23.8	0	0	0	0	1371	0	0	1371	0	0	0	0	0	0	1371
ALABAMA A&M	NORMAL	34	11.6	18.0	0	0	0	0	1415	0	0	1415	180	482	196	0	0	0	2272
ARKANSAS A&M	PINE BLUFF	13	9.4	24.3	0	0	0	0	1229	0	0	1229	0	0	8	0	1	0	1237
FLORIDA A&M	TALLAHASSEE	10	10.8	18.3	0	0	0	0	1005	0	0	1005	0	0	0	0	0	0	1005
FT. VALLEY COL	FORT VALLE	17	9.4	30.2	0	0	0	0	1496	0	0	1496	0	0	0	0	0	0	1496
KY STATE COLL	FRANKFORT	10	8.1	34.2	0	0	0	0	1776	0	0	1776	0	0	0	0	0	0	1776
SOUTHERN UNIV	BATON ROUG	9	5.5	20.1	0	0	0	0	1089	0	0	1089	0	0	0	0	0	0	1089
ALCORN A&M	LORMAN	13	8.1	42.4	0	0	0	0	1451	0	0	1451	0	0	0	0	0	0	1451
AG TECH NC	GREENSBORO	19	12.1	55.6	0	0	0	0	2263	0	0	2263	0	0	0	62	0	0	2325
LANGSTON UNIV	LANGSTON	7	5.0	12.9	0	0	0	0	985	0	0	985	0	17	0	0	0	0	1002
SC STATE COLL	ORANGEBURG	12	7.8	23.7	0	0	0	0	1193	0	0	1193	0	0	0	0	0	0	1193
TEN A&M INO	NASHVILLE	12	6.5	30.5	0	0	0	0	1362	0	0	1362	0	0	0	0	0	0	1362
PRAIRIE VW A&M	PRAIRIE VI	8	13.6	22.8	0	0	61	0	2212	0	0	2274	0	0	0	0	0	0	2274
VA STATE COLL	PETERSBURG	8	13.1	36.1	0	0	0	0	1471	0	0	1471	0	0	0	0	0	0	1471
SUBTOTAL - 1890/TUSK		180	128.5	392.9	0	0	61	0	20320	0	0	20382	180	499	203	62	1	0	21326
SCH VET MED	TUSKEGEE	2	0.0	0.0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	6
SCH VET MED	AUBURN	26	17.1	27.9	0	0	0	0	0	51	0	51	0	0	2309	7	85	61	2513
SCH VET MED	FLORIDA	40	13.5	31.1	0	0	77	57	0	93	0	228	52	375	1540	2	237	253	2886
SCH VET MED	GEORGIA	29	34.4	59.4	0	0	126	100	0	117	0	344	3	364	4904	0	59	388	6062
SCH VET MED	LOUISIANA	28	0.5	2.3	0	0	120	0	0	20	0	140	146	89	1118	74	338	419	2324
SCH VET MED	TEXAS	7	26.8	43.3	0	0	0	0	0	0	0	0	118	424	2209	135	681	607	4174
SUBTOTAL - VET MED		132	92.3	164.0	0	0	324	157	0	288	0	769	319	1253	12079	218	1401	1727	17766
OTH COOP INS	FLORIDA	10	3.8	7.2	0	0	0	433	0	0	99	532	0	0	31	0	0	0	563
OTH COOP INS	GEORGIA	3	0.1	3.8	0	0	0	160	0	0	0	160	0	0	0	0	0	0	160
OTH COOP INS	KENTUCKY	6	1.7	4.4	0	0	0	392	0	0	0	392	0	0	19	0	0	14	424
OTH COOP INS	LOUISIANA	4	1.6	4.4	0	0	0	240	0	0	0	240	0	0	0	0	0	0	240
OTH COOP INS	MISSISSIPPI	2	1.4	3.7	0	0	1149	0	0	0	0	1149	0	0	0	0	0	0	1149
OTH COOP INS	N CAROLINA	3	1.4	3.1	0	0	0	204	0	0	0	204	0	0	0	0	0	0	204
OTH COOP INS	OKLAHOMA	3	0.3	0.1	0	0	0	45	0	0	15	59	0	0	0	0	0	4	63
OTH COOP INS	PUERTO RIC	1	0.0	0.0	0	0	0	27	0	0	0	27	0	0	0	0	0	0	27
OTH COOP INS	S CAROLINA	2	0.1	1.7	0	0	0	63	0	0	0	63	0	0	0	0	0	0	63
OTH COOP INS	TENNESSEE	8	0.8	6.4	0	0	16	454	0	0	0	469	0	0	0	0	0	0	469
OTH COOP INS	TEXAS	10	7.0	28.0	0	0	22	494	0	0	0	517	58	69	46	0	0	37	728
OTH COOP INS	VIRGINIA	2	0.7	1.7	0	0	0	0	0	0	247	247	0	0	0	0	0	0	247
SUBTOTAL - OCI		54	18.9	64.5	0	0	1187	2512	0	0	361	4060	58	69	96	0	0	55	4339
TOTAL		4854	2737.9	9318.2	50532	6102	12492	5849	20320	1471	393	97160	16172	34286	362562	26752	39497	34027	610456

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-E SUMMARY BY STATION OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

		-----STAFF-----																		
STATION		NO OF PROJ	SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FEO	STATE APPRO	PROO SALE	INO -TRY	OTH -ER	TOTAL	
ILLINOIS	URBANA	334	173.2	564.9	4565	139	266	618	0	149	0	5733	609	2977	14011	3099	4223	1628	32285	
INDIANA	LAFAYETTE	351	138.3	578.0	4105	286	337	492	0	99	0	5320	747	6988	19842	4192	3792	3556	44437	
IOWA	AMES	374	125.3	598.3	4883	164	7664	570	0	47	0	13329	3614	3173	18660	1851	9850	4595	55073	
KANSAS	MANHATTAN	370	197.7	569.3	2830	151	997	475	0	175	0	4628	456	4051	19893	5796	1627	1736	38187	
MICHIGAN	LANSING	383	157.3	428.7	4188	169	4016	970	0	97	0	9439	2297	9554	21137	1862	4432	2711	51433	
MINNESOTA	ST PAUL	397	183.1	834.3	4167	414	233	462	0	85	0	5361	1692	2272	32315	3307	2700	4802	52448	
MISSOURI	COLUMBIA	256	129.4	565.8	3895	335	976	797	0	161	30	6195	174	2142	14565	2995	1716	1976	29763	
NORTH DAKOTA	FARGO	219	125.2	305.7	1999	78	1009	146	0	54	319	3604	685	998	11341	2560	632	1607	21428	
NEBRASKA	LINCOLN	282	149.1	705.5	2738	128	734	283	0	164	0	4046	4264	2201	17885	9008	1561	1141	40107	
OHIO	WOOSTER	424	142.9	513.4	4868	314	1002	605	0	85	54	6928	255	786	20197	2497	2346	1027	34035	
SOUTH DAKOTA	BROOKINGS	154	73.1	229.5	2042	110	131	104	0	91	0	2478	13	114	5872	3093	96	37	11704	
WISCONSIN	MADISON	551	173.2	675.7	4206	421	654	1957	0	184	0	7422	369	15346	21983	0	7456	446	53022	
SUBTOTAL - SAES		4095		6569.1		2709		7479		1390		74489		50603		40261		25262		
			1767.8		44486		18021		0		403		15175		217702		40433		463923	
FORESTRY SCH	CARBONDALE	11	7.7	12.3	0	143	0	0	0	0	0	143	0	0	506	0	0	100	749	
FORESTRY SCH	ANN ARBOR	27	3.9	20.3	0	174	0	0	0	0	0	174	0	69	574	0	586	11	1413	
FORESTRY SCH	HOUGHTON	27	13.2	38.1	0	161	122	0	0	0	0	283	5	120	721	0	189	1250	2568	
SUBTOTAL - FRSTY SCH		65		70.7	0	478		0	0	0	0	600		189		0		1360		
			24.8		0		122		0		0		5		1801		775		4730	
LINCOLN UNIV	JEFFERSON	17	13.5	24.8	0	0	0	0	1628	0	0	1628	0	0	94	87	0	0	1808	
SUBTOTAL - 1890/TUSK		17		24.8	0	0		0		0		1628		0		94		0	1808	
			13.5		0		0		1628		0		0		94		0			
SCH VET MED	ILLINOIS	85	41.4	81.2	0	0	126	83	0	0	0	209	0	1951	3477	876	199	1308	8019	
SCH VET MED	IOWA	151	27.6	69.1	0	0	262	0	0	214	0	476	192	781	5213	0	773	648	8083	
SCH VET MED	MINNESOTA	36	21.3	55.0	0	0	250	49	0	84	0	383	0	1195	2217	791	456	0	5041	
SCH VET MED	MISSOURI	59	27.7	59.7	0	0	0	0	0	0	0	0	6	1278	1715	792	25	475	4291	
SCH VET MED	OHIO	71	15.0	53.7	0	0	63	0	0	28	0	91	30	1523	0	0	154	612	2410	
SUBTOTAL - VET MED		402		318.7	0	0		133		326		1159		6727		2459		3043		
			133.0		0		700		0		0		227		12622		1607		27844	
OTH COOP INS	ILLINOIS	12	1.7	7.4	0	0	40	555	0	0	0	596	0	138	35	0	55	0	823	
OTH COOP INS	INDIANA	5	2.4	6.1	0	0	0	287	0	0	107	395	0	0	140	0	0	0	535	
OTH COOP INS	IOWA	6	0.0	2.9	0	0	0	198	0	0	0	198	0	0	16	0	0	0	214	
OTH COOP INS	KANSAS	5	0.9	14.5	0	0	873	122	0	0	0	995	0	0	0	0	0	0	995	
OTH COOP INS	MICHIGAN	11	1.4	7.4	0	0	0	390	0	0	0	390	0	66	0	0	0	0	455	
OTH COOP INS	MINNESOTA	7	0.8	4.2	0	0	0	329	0	0	163	492	0	0	23	0	0	0	514	
OTH COOP INS	MISSOURI	3	0.4	1.3	0	0	0	85	0	0	0	85	0	0	0	0	0	0	85	
OTH COOP INS	N DAKOTA	3	1.5	2.4	0	0	249	0	0	0	134	383	0	0	0	0	0	0	383	
OTH COOP INS	NEBRASKA	2	0.1	0.6	0	0	0	68	0	0	0	68	1	0	1	0	0	0	70	
OTH COOP INS	OHIO	13	2.0	11.9	0	0	63	448	0	0	53	569	0	0	1	0	18	15	603	
OTH COOP INS	S DAKOTA	1	0.0	2.9	0	0	0	0	0	0	68	68	0	0	0	0	0	0	68	
OTH COOP INS	WISCONSIN	15	4.4	9.5	0	0	0	438	0	0	0	438	0	77	0	0	0	0	516	
SUBTOTAL - OCI		83		71.1		0		2921		0		4677		280		0		15		
			15.6		0		1231		0		525		1		215		73		5261	
TOTAL		4662		7054.4	44486	3187		10532		1717		82552		57799		42807		29679		
			1954.7		44486		20075		1628		928		15408		232433		42888		503567	

TABLE IV-E SUMMARY BY STATION OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	NO OF STAFF	STAFF SUPPORT	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EYNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ALASKA FAIRBANKS	28	15.8	25.0	833	346	5	0	0	0	8	0	1192	0	0	2733	0	15	0	3940
ARIZONA TUCSON	264	127.5	555.0	1629	123	213	592	0	0	57	0	2614	2070	4400	19423	2044	910	2710	34172
CALIFORNIA BERKELEY	1108	525.3	1840.5	4286	414	1640	4054	0	0	225	0	10618	1996	15314	99036	888	12980	1052	141894
COLORADO FT COLLINS	158	69.4	354.9	2252	282	430	181	0	0	0	0	3145	1849	6861	7715	3560	358	1803	25291
GUAM AGANA	30	13.6	37.0	718	0	259	0	0	0	0	0	977	0	0	958	0	0	0	1934
HAWAII HONOLULU	269	96.0	172.3	1094	118	1964	76	0	0	5	0	3256	294	2649	11757	519	0	1795	20270
IDAHO MOSCOW	125	83.5	179.4	1760	0	436	71	0	0	57	0	2324	1269	371	9030	724	1163	412	15293
MONTANA BOZEMAN	139	75.9	236.8	1745	0	149	44	0	0	72	0	2010	375	2095	6967	1393	715	987	14542
NEVADA RENO	142	33.1	69.4	1016	57	5	326	0	0	24	0	1428	0	777	4004	378	363	425	7375
NEW MEXICO UNIV PARK	138	63.3	145.1	1357	218	378	123	0	0	38	12	2124	777	422	7129	143	385	759	11737
N MARIANAS SAIPAN	5	1.0	1.0	235	0	0	0	0	0	0	0	235	0	0	123	0	0	110	467
OREGON CORVALLIS	307	174.2	365.5	2358	0	803	623	0	0	62	21	3867	1294	5140	17044	2379	2004	1133	32862
AMERICAN SAMOA PAGO PAGO	5	0.0	18.2	592	0	0	0	0	0	0	0	592	0	16	0	0	0	0	608
UTAH LOGAN	242	81.7	148.7	1480	138	175	176	0	0	45	14	2028	955	2896	6500	235	1801	559	14973
WASHINGTON PULLMAN	289	118.7	432.5	3019	257	521	294	0	0	137	0	4228	1978	2800	15694	1205	1118	5065	32088
WYOMING LARAMIE	68	48.0	64.3	1260	196	114	39	0	0	42	0	1651	18	398	3741	0	169	939	6915
SUBTOTAL - SAES	3317	1527.0	4645.6	25633	2146	7093	6600	0	0	771	47	42288	12674	44139	211853	13478	21981	17749	364362
FORESTRY SCH FLAGSTAFF	24	3.6	7.6	0	118	0	0	0	0	0	0	118	55	79	244	0	25	31	553
FORESTRY SCH S L OBISPO	1	0.3	0.3	0	25	0	0	0	0	0	0	25	0	0	22	0	0	8	55
FORESTRY SCH ARCAT	7	0.3	0.4	0	75	0	0	0	0	0	0	75	0	0	162	0	23	51	311
FORESTRY SCH MOSCOW	32	19.0	35.4	0	359	0	0	0	0	0	0	359	26	132	1592	440	244	90	2883
FORESTRY SCH MISSOULA	36	16.9	56.9	0	347	0	0	0	0	0	0	347	292	351	723	78	290	189	2271
FORESTRY SCH CORVALLIS	75	66.4	166.2	0	592	582	207	0	0	0	0	1381	877	1897	4353	0	215	51	8774
FORESTRY SCH SEATTLE	143	21.3	113.4	0	384	0	122	0	0	0	0	505	1618	2382	1997	0	611	1109	8223
SUBTOTAL - FRSTY SCH	318	127.8	380.2	0	1901	582	329	0	0	0	0	2811	2868	4842	9094	517	1408	1529	23070
SCH VET MED CALIFORNIA	34	77.1	329.3	0	0	0	0	0	0	136	0	136	328	8435	11692	2087	3206	4	25889
SCH VET MED COLORADO	4	84.4	139.7	0	0	0	0	0	0	232	0	232	208	9284	1069	3128	1183	1502	16606
SCH VET MED OREGON	23	3.9	11.7	0	0	76	0	0	0	28	0	104	0	259	0	0	176	290	829
SUBTOTAL - VET MED	61	165.4	480.7	0	0	76	0	0	0	396	0	472	536	17978	12762	5215	4565	1796	43323
OTH COOP INS ARIZONA	4	0.6	2.2	0	0	0	93	0	0	0	0	93	22	25	54	0	0	0	194
OTH COOP INS CALIFORNIA	26	8.2	21.1	0	0	210	1153	0	0	0	0	375	1738	0	378	70	10	133	2330
OTH COOP INS COLORADO	2	0.4	0.8	0	0	0	57	0	0	0	0	50	107	0	0	0	0	0	107
OTH COOP INS HAWAII	2	8.4	8.5	0	0	2639	0	0	0	0	0	2639	0	0	0	0	0	0	2639
OTH COOP INS IDAHO	3	0.1	2.8	0	0	0	105	0	0	0	0	105	0	0	0	0	0	0	105
OTH COOP INS OREGON	3	0.6	2.2	0	0	0	69	0	0	0	0	69	0	190	5	0	0	0	264
OTH COOP INS UTAH	1	0.8	0.0	0	0	0	101	0	0	0	0	101	0	173	0	0	0	0	274
OTH COOP INS WASHINGTON	7	2.1	1.5	0	0	0	258	0	0	0	81	339	0	0	24	0	0	0	363
SUBTOTAL - OCI	48	21.2	39.1	0	0	2849	1836	0	0	0	0	5191	22	767	153	10	0	133	6276
TOTAL	3744	1841.4	5545.6	25633	4048	10599	8765	0	0	1167	553	50763	16300	67726	233861	19221	27953	21207	437032
GRAND TOTAL	18230	7666.0	27135.9	146893	16550	47605	31173	23273	4995	2359	272848	54079	188606	950101	102362	112405	1807007		



SAES REGION 1 NORTHEAST REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F		FY 1990 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES															-- IN THOUSANDS OF DOLLARS			
		STATION	NO OF PROJ	STAFF OF SYS	SUPPORT YRS OTHER	CSRS ADM	USOA CGCA	NSF	OOE	AIO	000	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FEO	TOTAL NON-FED	TOTAL
CONNECTICUT	NEW HAVEN	61	44.8	34.1	855	0	0	0	0	0	0	0	0	0	0	0	25	25	4243	5123
CONNECTICUT	STORRS	58	23.9	72.4	1252	44	0	0	54	0	344	0	0	0	0	0	202	600	3685	5581
DIST OF COLUM	WASHINGTON	7	3.3	17.5	480	0	0	0	0	0	0	0	0	0	0	0	0	0	298	778
DELAWARE	NEWARK	150	34.4	79.6	1249	77	0	0	0	0	0	0	0	0	0	0	84	84	6203	7612
MASSACHUSETTS	AMHERST	115	46.5	148.8	2861	78	89	0	0	0	0	104	0	0	0	0	72	266	6086	9290
MARYLAND	COLLEGE PA	123	64.9	219.6	2407	1563	467	53	27	0	159	0	173	0	0	12	59	951	14938	19859
MAINE	ORONO	125	59.3	107.1	2487	391	43	0	0	0	41	63	0	0	168	0	289	604	8498	11980
NEW HAMPSHIRE	DURHAM	86	27.9	59.1	1588	0	0	0	0	0	0	0	0	0	0	0	0	0	2636	4223
NEW JERSEY	NEW BRUNSW	248	96.4	182.7	3240	115	166	13	20	0	16	289	0	0	0	0	116	621	12541	16517
NEW YORK	ITHACA	851	228.5	2301.3	5968	1296	2289	313	1844	475	0	0	4363	29	0	1254	10568	41925	59756	
NEW YORK	GENEVA	126	52.4	382.7	1318	469	131	0	0	0	0	0	0	71	0	0	91	294	8921	11001
PENNSYLVANIA	COLLEGE PA	332	151.5	513.1	6823	830	303	113	1594	56	39	8	0	18	16	157	2302	26829	36784	
RHODE ISLAND	KINGSTON	51	23.8	22.5	1128	0	0	0	0	0	0	0	0	0	0	0	155	155	2201	3485
VERMONT	BURLINGTON	52	21.4	57.7	1240	480	2	0	0	0	135	0	0	0	0	0	0	138	2795	4653
WEST VIRGINIA	MORGANTOWN	86	38.9	96.3	2755	502	0	0	0	0	0	0	0	0	0	4	276	280	4270	7806
SUBTOTAL - SAES		2471		4294.5		5845		492		707		296		215		2781	16885	146068	204449	
			917.9		35650		3491		3539		726		4608		31					
FORESTRY SCH	SYRACUSE	143	80.1	243.7	634	153	290	127	7	0	94	0	0	0	15	0	608	1141	16735	18663
FORESTRY SCH	BURLINGTON	10	4.5	5.1	250	117	0	0	0	0	0	0	0	0	0	0	20	20	423	809
SUBTOTAL - FRSTY SCH		153		248.8		271		127		0		0		0	15		628	1160	17158	19472
			84.6		883		290		7		94		0		0					
DEL STATE COL	DOVER	7	5.7	4.0	483	0	0	0	0	0	0	0	0	0	0	0	0	0	89	571
MO. STATE COL	PRINCESS A	11	7.1	10.9	842	14	146	0	0	0	0	0	0	0	0	0	0	146	259	1261
SUBTOTAL - 1890/TUSK		18		14.9		14		0		0		0		0		0	0		347	
			12.8		1325		146		0		0		0		0		0	146		1832
SCH VET MED	MASSACHUSE	17	21.0	19.0	27	0	0	0	0	0	767	256	0	0	0	0	243	1266	384	1676
SCH VET MED	NEW YORK	140	56.0	500.1	453	20	151	0	0	413	0	0	5142	0	0	0	56	5762	10826	17061
SCH VET MED	PENNSYLVAN	101	23.6	110.6	148	3	89	0	0	0	3369	0	0	0	0	0	0	3458	3676	7286
SUBTOTAL - VET MED		258		629.7		23		0		413		256		0		299	10485	14886	26023	
			100.6		628		239		0		4136		5142		0					
OTH COOP INS	CONNECTICU	3	0.8	3.4	80	0	0	0	0	0	0	0	0	0	0	0	0	0	50	130
OTH COOP INS	DELAWARE	1	1.0	0.0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
OTH COOP INS	MASSACHUSE	13	2.3	15.2	1243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1243
OTH COOP INS	MARYLAND	24	7.3	5.4	820	47	0	0	0	0	30	0	0	0	0	0	87	117	48	1032
OTH COOP INS	N HAMPSHIR	1	0.2	0.5	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
OTH COOP INS	NEW YORK	14	2.8	2.0	803	0	0	0	0	0	0	0	0	0	0	0	0	0	21	823
OTH COOP INS	PENNSYLVAN	12	1.1	4.8	742	0	0	0	0	0	0	0	0	0	0	0	0	0	8	750
OTH COOP INS	RHODE ISLA	1	0.0	0.0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
OTH COOP INS	W VIRGINIA	1	0.6	0.7	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
SUBTOTAL - OCI		70		31.8		47		0		0		0		0		0	87		127	
			18.1		3887		0		0		30		0		0					
TOTAL		2970		5219.7		6199		619		1119		552		229		3794	28794	178586	255952	
			1132.0		42373		4167		3546		4986		9750		31					

## SAES REGION 2 SOUTHERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1990 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION	NO OF PROJ	STAFF		CSRS ADM	USDA CGCA	NSF	DOE	AID	ODD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON- FED	TOTAL
		SUPPORT	YRS OTHER															
ALABAMA AUBURN	237	124.0	545.9	4254	848	0	0	331	0	0	7	0	0	104	852	1094	23984	29981
ARKANSAS FAYETTEVILLE	219	116.8	524.8	5538	531	0	0	0	0	77	0	0	0	48	338	463	22208	28739
FLORIDA GAINESVILLE	838	412.8	1277.7	5581	2074	895	132	1214	158	1608	0	0	0	7	2170	5982	73391	87008
GEORGIA ATHENS	381	178.8	581.8	5409	1025	132	38	518	0	0	0	0	85	39	734	1526	41228	49188
KENTUCKY LEXINGTON	187	126.8	404.5	4819	0	0	0	0	0	0	0	0	0	0	28	28	14598	19241
LOUISIANA BATON ROUGE	435	203.9	238.8	3892	287	3	0	1	70	0	0	0	1	15	433	522	28363	32844
MISSISSIPPI STATE COLL	308	192.7	858.1	8514	773	0	0	520	348	0	20	0	0	74	249	1211	28887	37366
NORTH CAROLINA RALEIGH	584	242.0	815.2	7081	2351	941	32	4087	90	0	1843	0	40	5	794	7833	49057	66301
OKLAHOMA STILLWATER	208	120.3	380.4	4095	435	133	84	0	0	588	0	0	0	19	83	907	18622	24080
PUERTO RICO RIO PIEDRA	82	58.3	328.0	4128	0	0	0	0	0	0	0	0	0	0	0	0	7503	11832
SOUTH CAROLINA CLEMSON	234	110.8	375.0	3480	970	3	0	175	0	0	5	49	0	22	430	884	21801	26715
TENNESSEE KNOXVILLE	191	118.0	387.7	4830	109	21	132	0	48	0	0	0	0	18	122	338	18515	23793
TEXAS COLLEGE ST	482	288.0	1550.5	7081	4414	838	0	2120	221	3111	0	0	83	14	123	8307	82878	80478
VIRGINIA BLACKSBURG	304	181.5	577.8	4083	1989	309	224	0	54	0	1208	0	87	0	3478	5338	33701	45072
VIRGIN ISLANDS ST. THOMAS	18	5.2	25.8	857	0	0	0	0	0	0	0	0	0	0	0	0	448	1305
SUBTOTAL - SAES	4424	2477.5	8647.8	71162	15568	2874	642	8965	987	5382	3085	49	258	365	9829	32233	444758	563721
FORESTRY SCH RUSTON	10	2.8	0.0	145	0	0	0	0	0	0	0	0	0	0	0	0	216	361
FORESTRY SCH CLEMSON	41	13.3	29.8	432	0	0	0	0	0	0	0	0	0	0	0	0	1198	1830
FORESTRY SCH NACOGDOCHE	13	4.6	17.4	210	48	0	0	0	0	0	0	0	0	0	232	232	823	1314
SUBTOTAL - FRSTY SCH	64	20.7	47.0	787	48	0	0	0	0	0	0	0	0	0	232	232	2238	3305
ALA TUSKEGEE TUSKEGEE	8	7.5	23.8	1371	0	0	0	0	0	0	0	0	0	0	0	0	0	1371
ALABAMA A&M NORMAL	34	11.8	18.0	1415	180	191	0	145	0	0	0	0	81	84	0	482	196	2272
ARKANSAS A&M PINE BLUFF	13	9.4	24.3	1229	0	0	0	0	0	0	0	0	0	0	0	0	8	1237
FLORIDA A&M TALLAHASSEE	10	10.8	18.3	1005	0	0	0	0	0	0	0	0	0	0	0	0	0	1005
FT. VALLEY COL FORT VALLE	17	9.4	30.2	1498	0	0	0	0	0	0	0	0	0	0	0	0	0	1498
KY STATE COLL FRANKFORT	10	8.1	34.2	1776	0	0	0	0	0	0	0	0	0	0	0	0	0	1776
SOUTHERN UNIV BATON ROUG	9	5.5	20.1	1089	0	0	0	0	0	0	0	0	0	0	0	0	0	1089
ALCORN A&M LORMAN	13	8.1	42.4	1451	0	0	0	0	0	0	0	0	0	0	0	0	0	1451
AG TECH NC. GREENSBORO	19	12.1	55.8	2283	0	0	0	0	0	0	0	0	0	0	0	0	82	2325
LANGSTON UNIV LANGSTON	7	5.0	12.9	985	0	0	0	0	0	0	0	0	0	0	17	17	0	1002
SC STATE COLL ORANGEBURG	12	7.8	23.7	1193	0	0	0	0	0	0	0	0	0	0	0	0	0	1193
TEN A&M INO NASHVILLE	12	8.5	30.5	1382	0	0	0	0	0	0	0	0	0	0	0	0	0	1382
PRAIRIE VW A&M PRAIRIE VI	8	13.8	22.8	2274	0	0	0	0	0	0	0	0	0	0	0	0	0	2274
VA STATE COLL PETERSBURG	8	13.1	38.1	1471	0	0	0	0	0	0	0	0	0	0	0	0	0	1471
SUBTOTAL - 1890/TUSK	180	128.5	392.9	20382	180	191	0	145	0	0	0	0	81	84	17	499	286	21328
SCH VET MED TUSKEGEE	2	0.0	0.0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
SCH VET MED AUBURN	26	17.1	27.9	51	0	0	0	0	0	0	0	0	0	0	0	0	2482	2513
SCH VET MED FLORIDA	40	13.5	31.1	228	52	0	0	0	10	385	0	0	0	0	0	375	2032	2886
SCH VET MED GEORGIA	29	34.4	59.4	344	3	0	0	0	0	383	0	0	0	0	1	384	5351	8062
SCH VET MED LOUISIANA	28	0.5	2.3	140	148	0	0	0	0	50	0	38	0	0	3	89	1948	2324
SCH VET MED TEXAS	7	26.8	43.3	0	118	0	0	0	0	347	3	0	0	0	74	424	3632	4174
SUBTOTAL - VET MED	132	92.3	164.0	789	319	0	0	0	10	1126	3	38	0	0	78	1253	15425	17766
OTH COOP INS FLORIDA	10	3.8	7.2	532	0	0	0	0	0	0	0	0	0	0	0	0	31	563
OTH COOP INS GEORGIA	3	0.1	3.8	160	0	0	0	0	0	0	0	0	0	0	0	0	0	160
OTH COOP INS KENTUCKY	6	1.7	4.4	392	0	0	0	0	0	0	0	0	0	0	0	0	33	424
OTH COOP INS LOUISIANA	4	1.6	4.4	240	0	0	0	0	0	0	0	0	0	0	0	0	0	240
OTH COOP INS MISSISSIPPI	2	1.4	3.7	1149	0	0	0	0	0	0	0	0	0	0	0	0	0	1149
OTH COOP INS N CAROLINA	3	1.4	3.1	204	0	0	0	0	0	0	0	0	0	0	0	0	0	204
OTH COOP INS OKLAHOMA	3	0.3	0.1	59	0	0	0	0	0	0	0	0	0	0	0	0	4	63
OTH COOP INS PUERTO RIC	1	0.0	0.0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
OTH COOP INS S CAROLINA	2	0.1	1.7	83	0	0	0	0	0	0	0	0	0	0	0	0	0	83
OTH COOP INS TENNESSEE	8	0.8	8.4	489	0	0	0	0	0	0	0	0	0	0	0	0	0	489
OTH COOP INS TEXAS	10	7.0	28.0	517	58	0	0	0	0	89	0	0	0	0	0	89	84	728
OTH COOP INS VIRGINIA	2	0.7	1.7	247	0	0	0	0	0	0	0	0	0	0	0	0	0	247
SUBTOTAL - OCI	54	18.9	64.5	4080	58	0	0	0	0	89	0	0	0	0	0	89	151	4339
TOTAL	4854	2737.9	9318.2	97180	18172	3085	642	9110	997	8577	3088	85	317	449	9958	34286	462838	610456

## SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1990 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION		--- STAFF ---														TOTAL		TOTAL	
		NO OF PROJ	SUPPORT SYS	YRS OTHER	CSRS AOM	USOA CGCA	NSF	DOE	AID	ODD	NIH	PHS	HHS	NASA	TVA	OTH -ER	OTHER FEO	NON- FEO	TOTAL
ILLINOIS	URBANA	334	173.2	564.9	5738	609	201	83	28	428	1467	0	0	0	770	2977	22961	32285	
INDIANA	LAFAYETTE	351	138.3	578.0	5320	747	695	840	1328	113	0	3713	131	0	368	6988	31382	44437	
IOWA	AMES	374	125.3	598.3	13329	3614	233	0	704	40	0	0	1323	0	43	832	3173	34957	55073
KANSAS	MANHATTAN	370	197.7	569.3	4828	456	384	163	1705	156	0	0	999	152	38	455	4051	29052	38187
MICHIGAN	LANSING	383	157.3	428.7	9439	2297	2846	307	3117	97	897	580	0	19	9	1683	9554	30142	51433
MINNESOTA	ST PAUL	397	183.1	834.3	5381	1692	133	0	0	893	583	9	198	114	10	332	2272	43123	52448
MISSOURI	COLUMBIA	256	129.4	565.8	6195	174	566	67	0	49	747	0	80	0	0	633	2142	21252	29763
NORTH DAKOTA	FARGO	219	125.2	305.7	3604	885	29	122	4	24	0	0	139	0	1	680	998	16141	21428
NEBRASKA	LINCOLN	282	149.1	705.5	4046	4264	197	65	850	0	483	0	0	495	30	281	2201	29596	40107
OHIO	WOOSTER	424	142.9	513.4	6928	255	245	69	27	0	212	0	0	0	0	234	786	26067	34035
SOUTH DAKOTA	BROOKINGS	154	73.1	229.5	2478	13	0	0	0	0	0	0	7	0	5	102	114	9099	11704
WISCONSIN	MAQUISON	551	173.2	675.7	7422	369	991	454	2163	213	10595	0	0	122	10	798	15346	29885	53022
SUBTOTAL - SAES		4095	1767.8	6569.1	74489	15175	1989	9727	2012	14984	590	6458	1033	145	7167	50603	323657	463923	
FORESTRY SCH	CARBONDALE	11	7.7	12.3	143	0	0	0	0	0	0	0	0	0	0	0	0	606	749
FORESTRY SCH	ANN ARBOR	27	3.9	20.3	174	0	0	0	0	0	0	0	0	0	0	69	69	1170	1413
FORESTRY SCH	HOUGHTON	27	13.2	38.1	283	5	45	0	0	0	0	0	0	0	0	75	120	2159	2568
SUBTOTAL - FRSTY SCH		65	24.8	70.7	600	5	45	0	0	0	0	0	0	0	0	144	189	3936	4730
LINCOLN UNIV	JEFFERSON	17	13.5	24.8	1628	0	0	0	0	0	0	0	0	0	0	0	0	181	1808
SUBTOTAL - 1890/TUSK		17	13.5	24.8	1628	0	0	0	0	0	0	0	0	0	0	0	0	181	1808
SCH VET MED	ILLINOIS	85	41.4	81.2	209	0	0	0	46	471	297	931	0	0	0	204	1951	5859	8019
SCH VET MED	IOWA	151	27.6	69.1	478	192	154	0	0	1	605	0	21	0	0	0	781	8634	8083
SCH VET MED	MINNESOTA	36	21.3	55.0	383	0	0	0	0	0	1195	0	0	0	0	0	1195	3463	5041
SCH VET MED	MISSOURI	59	27.7	59.7	0	6	0	0	93	0	1185	0	0	0	0	0	1278	3008	4291
SCH VET MED	OHIO	71	15.0	53.7	91	30	0	0	0	30	778	0	0	0	0	715	1523	766	2410
SUBTOTAL - VET MED		402	133.0	318.7	1159	227	154	0	139	503	4060	931	21	0	0	919	6727	19730	27844
OTH COOP INS	ILLINOIS	12	1.7	7.4	596	0	15	4	0	0	118	0	0	0	0	0	138	90	823
OTH COOP INS	INDIANA	5	2.4	8.1	395	0	0	0	0	0	0	0	0	0	0	0	0	140	535
OTH COOP INS	IOWA	6	0.0	2.9	198	0	0	0	0	0	0	0	0	0	0	0	0	16	214
OTH COOP INS	KANSAS	5	0.9	14.5	995	0	0	0	0	0	0	0	0	0	0	0	0	0	995
OTH COOP INS	MICHIGAN	11	1.4	7.4	390	0	86	0	0	0	0	0	0	0	0	0	66	0	455
OTH COOP INS	MINNESOTA	7	0.8	4.2	492	0	0	0	0	0	0	0	0	0	0	0	0	23	514
OTH COOP INS	MISSOURI	3	0.4	1.3	85	0	0	0	0	0	0	0	0	0	0	0	0	0	85
OTH COOP INS	N DAKOTA	3	1.5	2.4	383	0	0	0	0	0	0	0	0	0	0	0	0	0	383
OTH COOP INS	NEBRASKA	2	0.1	0.6	88	1	0	0	0	0	0	0	0	0	0	0	0	1	70
OTH COOP INS	OHIO	13	2.0	11.9	569	0	0	0	0	0	0	0	0	0	0	0	0	34	603
OTH COOP INS	S DAKOTA	1	0.0	2.9	68	0	0	0	0	0	0	0	0	0	0	0	0	0	68
OTH COOP INS	WISCONSIN	15	4.4	9.5	438	0	0	0	0	0	0	0	0	0	0	77	77	0	516
SUBTOTAL - OCI		83	15.6	71.1	4677	1	81	4	0	118	0	0	0	0	0	77	280	303	5261
TOTAL		4662	1954.7	7054.4	82552	15408	1974	9886	2514	19162	1521	6479	1033	145	8307	57799	347807	503567	

SAES REGION 4 WESTERN REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F		FY 1990 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES															-- IN THOUSANDS OF DOLLARS			
STATION		NO OF STAFF		SUPPORT YRS		CSRS	USDA										OTH	TOTAL	TOTAL	
		PROJ	SYS	OTHER	ADM	CGCA	NSF	DOE	AID	000	NIH	PHS	HHS	NASA	TVA	-ER	OTHER	NON-	FED	TOTAL
ALASKA	FAIRBANKS	28	15.8	25.0	1192	0	0	0	0	0	0	0	0	0	0	0	0	2748	3940	
ARIZONA	TUCSON	264	127.5	555.0	2614	2070	150	103	1464	265	73	89	549	131	36	1540	4400	25088	34172	
CALIFORNIA	BERKELEY	1108	525.3	1840.5	10618	1996	3713	1056	235	177	0	7617	24	523	0	1968	15314	113966	141894	
COLORADO	FT COLLINS	158	69.4	354.9	3145	1849	2670	319	673	903	1265	0	51	534	0	445	6861	13436	25291	
GUAM	AGANA	30	13.6	37.0	977	0	0	0	0	0	0	0	0	0	0	0	0	958	1934	
HAWAII	HONOLULU	269	96.0	172.3	3256	294	95	0	2401	0	74	0	0	0	5	75	2649	14071	20270	
IDAHO	MOSCOW	125	83.5	179.4	2324	1269	141	65	19	0	0	0	113	0	29	4	371	11328	15293	
MONTANA	BOZEMAN	139	75.9	236.8	2010	375	124	0	618	0	336	169	0	113	26	709	2095	10062	14542	
NEVADA	RENO	142	33.1	69.4	1428	0	300	4	0	0	94	106	0	0	0	273	777	5170	7375	
NEW MEXICO	UNIV PARK	138	63.3	145.1	2124	777	15	59	0	0	0	0	0	0	0	348	422	8415	11737	
N MARIANAS	SAIPAN	5	1.0	1.0	235	0	0	0	0	0	0	0	0	0	0	0	232	467		
OREGON	CORVALLIS	307	174.2	365.5	3867	1294	358	932	265	0	0	1392	0	181	0	2013	5140	22561	32862	
AMERICAN SAMOA	PAGO PAGO	5	0.0	18.2	592	0	0	0	0	0	0	0	0	0	0	0	16	16	0	
UTAH	LOGAN	242	81.7	148.7	2028	955	251	20	632	728	706	0	0	158	5	396	2896	9095	14973	
WASHINGTON	PULLMAN	289	118.7	432.5	4228	1978	1018	555	45	0	0	166	23	49	35	910	2800	23082	32088	
WYOMING	LARAMIE	68	48.0	64.3	1651	18	146	52	0	0	174	0	0	0	0	26	398	4848	6915	
SUBTOTAL - SAES		3317	1527.0	4645.6	42288	12874	8981	3165	6352	2074	2721	9538	761	1689	136	8721	44139	265061	364362	
FORESTRY SCH	FLAGSTAFF	24	3.6	7.6	118	55	0	0	0	0	0	0	0	0	0	79	79	300	553	
FORESTRY SCH	S L OBISPO	1	0.3	0.3	25	0	0	0	0	0	0	0	0	0	0	0	0	30	55	
FORESTRY SCH	ARCATA	7	0.3	0.4	75	0	0	0	0	0	0	0	0	0	0	0	0	236	311	
FORESTRY SCH	MOSCOW	32	19.0	35.4	359	26	0	0	0	0	0	0	0	0	0	132	132	2366	2883	
FORESTRY SCH	MISSOULA	36	16.9	56.9	347	292	0	0	0	0	0	0	0	351	0	0	351	1281	2271	
FORESTRY SCH	CORVALLIS	75	66.4	166.2	1381	877	673	275	0	54	0	41	0	256	0	597	1897	4620	8774	
FORESTRY SCH	SEATTLE	143	21.3	113.4	505	1618	1477	0	28	0	0	0	0	56	0	822	2382	3717	8223	
SUBTOTAL - FRSTY SCH		318	127.8	380.2	2811	2868	2150	275	28	54	0	41	0	663	0	1631	4842	12549	23070	
SCH VET MED	CALIFORNIA	34	77.1	329.3	136	328	0	3223	0	13	2445	2740	14	0	0	0	8435	16989	25889	
SCH VET MED	COLORADO	4	84.4	139.7	232	208	138	303	44	285	5222	852	2239	201	0	0	9284	6883	16606	
SCH VET MED	OREGON	23	3.9	11.7	104	0	0	0	0	0	72	17	0	0	0	169	259	465	829	
SUBTOTAL - VET MED		61	165.4	480.7	472	536	138	3526	44	298	7739	3609	2253	201	169	17978	24337	43323		
OTH COOP INS	ARIZONA	4	0.6	2.2	93	22	0	0	0	0	25	0	0	0	0	0	25	54	194	
OTH COOP INS	CALIFORNIA	26	8.2	21.1	1738	0	34	0	0	0	344	0	0	0	0	0	378	214	2330	
OTH COOP INS	COLORADO	2	0.4	0.8	107	0	0	0	0	0	0	0	0	0	0	0	0	0	107	
OTH COOP INS	HAWAII	2	8.4	8.5	2639	0	0	0	0	0	0	0	0	0	0	0	0	0	2639	
OTH COOP INS	IDAHO	3	0.1	2.8	105	0	0	0	0	0	0	0	0	0	0	0	0	0	105	
OTH COOP INS	OREGON	3	0.6	2.2	69	0	90	100	0	0	0	0	0	0	0	0	190	5	264	
OTH COOP INS	UTAH	1	0.8	0.0	101	0	0	0	0	0	173	0	0	0	0	0	173	0	274	
OTH COOP INS	WASHINGTON	7	2.1	1.5	339	0	0	0	0	0	0	0	0	0	0	0	0	24	363	
SUBTOTAL - OCI		48	21.2	39.1	5191	22	124	100	0	0	542	0	0	0	0	0	767	296	6276	
TOTAL		3744	1841.4	5545.6	50763	16300	11394	7067	6424	2425	11003	13189	3013	2554	136	10521	67726	302243	437032	
GRAND TOTAL		16230	7666.0	27135.9	272848	54079	25426	10301	28946	7056	41729	18349	19327	4133	760	32578	188606	1291473	1807007	

NATIONAL TOTAL SAES - OTHER INSTITUTIONS

TABLE IV-G SUMMARY BY ORGANIZATION OF 1990 FUNDS BY SOURCE

-- IN THOUSANDS OF DOLLARS

ORGANIZATION	NO OF PROJ	STAFF SUPPORT SYS	YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USOA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SAES	14307	6690.2	24157.0	146893	12740	39654	20039	0	3672	592	223590	49462	143860	877945	91564	113795	96239	1596455
1890/TUSKEGEE	215	154.8	432.6	0	0	61	0	23273	0	0	23334	194	645	644	149	1	0	24967
FORESTRY SCHOOLS	600	257.9	746.7	0	3811	704	567	0	0	0	5081	3192	6424	26744	623	3826	4686	50577
VETERINARY SCHOOLS	853	491.3	1593.1	0	0	1259	447	0	1323	0	3029	1105	36443	44283	10015	8911	11170	114956
OTHER NON-FEDERAL	255	71.8	206.5	0	0	5926	10121	0	0	1768	17814	128	1233	484	10	73	310	20052
TOTAL SAES- OTHER INSTITUTIONS	16230	7666.0	27135.9	146893	16550	47605	31173	23273	4995	2359	272848	54079	188606	950101	102362	126606	112405	1807007

TABLE V-C NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RPG 1.00: NATURAL RESOURCES	324.8	39.7	2.6	367.2	771.6	15.5	33.5	14.5	1.7	836.9	1204.2
RPG 2.00: FOREST RESOURCES	34.2	0.0	691.7	725.9	493.3	1.3	211.4	0.0	4.3	710.4	1436.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1535.0	2.3	0.6	1538.1	2677.5	48.3	1.3	0.0	20.5	2747.6	4285.9
RPG 4.00: ANIMALS	514.8	0.0	0.0	514.8	1400.4	37.1	2.0	463.4	27.0	1930.1	2444.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	25.1	23.2	1.0	49.4	325.1	22.3	3.8	4.2	0.0	355.8	405.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	10.2	321.2	0.1	331.6	420.0	12.0	0.2	0.2	7.1	439.8	771.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	65.7	0.0	0.0	65.7	292.1	0.8	5.3	4.3	8.9	311.6	377.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	198.2	8.4	0.0	206.6	309.8	17.1	0.0	4.6	2.1	333.6	540.3
RPG 9.00: UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	2709.5	395.0	696.2	3800.7	8690.2	154.8	257.9	491.3	71.8	7668.0	11466.7

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

FOREIGN

## RESEARCH PROGRAM GROUP SUMMARY

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	5.1	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	5.1
RPG 4.00: ANIMALS	7.4	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	7.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	15.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM GROUP SUMMARY

NORTHEAST REGION

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	64.2	39.7	0.0	103.9	120.7	1.7	22.1	2.9	0.0	147.5	251.5
RPG 2.00: FOREST RESOURCES	17.3	0.0	77.7	95.0	79.7	0.0	54.1	0.0	0.4	134.3	229.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	306.8	2.3	0.0	309.2	294.8	7.0	0.6	0.0	4.9	307.4	616.6
RPG 4.00: ANIMALS	199.8	0.0	0.0	199.8	163.6	1.2	1.6	89.2	6.3	261.9	461.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	5.0	23.2	0.0	28.2	83.3	1.8	0.9	4.0	0.0	90.3	118.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.4	321.2	0.1	322.9	56.7	0.2	0.2	0.0	0.0	57.2	380.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	32.6	0.0	0.0	32.6	46.9	0.0	4.8	3.0	3.3	58.1	90.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	71.2	8.4	0.0	79.6	71.8	0.6	0.0	1.3	1.2	74.9	154.6
GRAND TOTAL	698.6	395.0	77.9	1171.5	917.9	12.8	84.6	100.6	16.1	1132.0	2303.5

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

SOUTHERN REGION

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	108.4	0.0	2.6	111.0	249.9	13.7	0.4	7.9	0.0	272.1	383.2
RPG 2.00: FOREST RESOURCES	6.7	0.0	159.0	165.8	217.0	1.3	20.2	0.0	0.5	239.1	404.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	552.2	0.0	0.4	552.6	1101.9	37.6	0.0	0.0	4.3	1143.9	1696.5
RPG 4.00: ANIMALS	113.7	0.0	0.0	113.7	531.2	33.9	0.0	83.0	10.9	659.1	772.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	20.1	0.0	0.0	20.1	76.4	19.2	0.0	0.1	0.0	95.8	116.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.0	0.0	0.0	2.0	144.9	11.2	0.0	0.0	0.0	156.2	158.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	10.6	0.0	0.0	10.6	84.3	0.8	0.0	1.1	2.8	89.2	99.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	48.7	0.0	0.0	48.7	71.4	10.4	0.0	0.0	0.3	82.2	130.9
RPG 9.00: UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	863.8	0.0	162.1	1025.9	2477.5	128.5	20.7	92.3	18.9	2737.9	3763.8

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NORTH CENTRAL REGION											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	59.6	0.0	0.0	59.6	200.4	0.1	0.9	1.4	1.7	204.5	264.2
RPG 2.00: FOREST RESOURCES	5.4	0.0	166.7	172.2	101.1	0.0	23.8	0.0	1.5	126.4	298.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	317.1	0.0	0.2	317.3	643.1	3.6	0.0	0.0	5.1	651.8	969.1
RPG 4.00: ANIMALS	142.1	0.0	0.0	142.1	419.8	2.0	0.0	130.4	4.2	556.4	698.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	1.0	1.0	92.1	1.2	0.0	0.0	0.0	93.3	94.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	3.5	0.0	0.0	3.5	135.7	0.4	0.0	0.2	0.0	136.3	139.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	12.4	0.0	0.0	12.4	88.0	0.0	0.0	0.2	2.7	90.9	103.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	46.9	0.0	0.0	46.9	87.4	6.0	0.0	0.8	0.4	94.6	141.5
GRAND TOTAL	587.4	0.0	168.0	755.4	1767.8	13.5	24.8	133.0	15.6	1954.7	2710.1

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
WESTERN REGION											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	92.5	0.0	0.0	92.5	200.4	0.0	10.0	2.2	0.0	212.7	305.2
RPG 2.00: FOREST RESOURCES	3.2	0.0	288.1	291.3	95.4	0.0	113.1	0.0	1.9	210.5	501.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	353.7	0.0	0.0	353.7	837.6	0.0	0.7	0.0	6.2	844.6	998.4
RPG 4.00: ANIMALS	51.7	0.0	0.0	51.7	285.7	0.0	0.4	160.7	5.6	452.5	504.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	73.2	0.0	2.9	0.0	0.0	76.1	76.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.1	0.0	0.0	2.1	82.6	0.0	0.0	0.0	7.1	89.7	91.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	9.9	0.0	0.0	9.9	72.7	0.0	0.5	0.0	0.0	73.3	83.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	31.4	0.0	0.0	31.4	79.1	0.0	0.0	2.5	0.2	81.8	113.2
GRAND TOTAL	544.7	0.0	288.2	832.9	1527.0	0.0	127.8	165.4	21.2	1841.4	2674.3



TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	FOREIGN										
	FRANCE										
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.5	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
RPG 4.00: ANIMALS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
GRAND TOTAL	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	FOREIGN										
	ITALY										
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
GRAND TOTAL	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	FOREIGN										
	MEXICO										
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 4.00: ANIMALS	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
GRAND TOTAL	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	FOREIGN										
	NETHERLANDS										
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

	FOREIGN										
	SOUTH KOREA										
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1 CONNECTICUT											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	CONN N HAV	CONN STORRS	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.0	3.8	0.0	0.0	0.0	13.9	13.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.3	9.3	5.9	0.2	0.0	0.0	0.2	6.3	15.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	22.1	5.1	0.0	0.0	0.0	27.3	27.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	1.0	7.3	0.0	0.0	0.5	8.8	8.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.3	1.3	0.0	0.0	0.0	5.6	5.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.4	2.5	0.0	0.0	0.0	2.9	2.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.1	1.0	1.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.9	2.5	0.0	0.0	0.0	3.4	3.4
GRAND TOTAL	0.0	0.0	9.3	9.3	44.8	23.9	0.0	0.0	0.8	69.5	78.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1 DELAWARE											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	6.9	1.7	0.0	0.0	0.0	8.6	8.6
RPG 2.00: FOREST RESOURCES	2.2	0.0	0.0	2.2	1.2	0.0	0.0	0.0	0.0	1.2	3.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.2	0.0	0.0	2.2	10.6	3.0	0.0	0.0	0.0	13.6	15.9
RPG 4.00: ANIMALS	8.0	0.0	0.0	8.0	9.7	0.0	0.0	0.0	0.0	9.7	17.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	0.9	1.0	0.0	0.0	0.0	1.9	1.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.0	2.1	2.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	12.6	0.0	0.0	12.6	34.4	5.7	0.0	0.0	1.0	41.1	53.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1 DISTRICT OF COLUMBIA											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	39.7	0.0	39.7	0.8	0.0	0.0	0.0	0.0	0.8	40.6
RPG 2.00: FOREST RESOURCES	0.9	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	0.3	1.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.1	2.3	0.0	8.4	0.5	0.0	0.0	0.0	0.0	0.5	8.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	23.2	0.0	23.2	0.5	0.0	0.0	0.0	0.0	0.5	23.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	321.2	0.0	321.2	0.0	0.0	0.0	0.0	0.0	0.0	321.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	8.4	0.0	8.4	1.0	0.0	0.0	0.0	0.0	1.0	9.4
GRAND TOTAL	8.0	395.0	0.0	403.0	3.3	0.0	0.0	0.0	0.0	3.3	406.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1											
MAINE											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	7.7	7.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.1	8.1	17.5	0.0	0.0	0.0	0.0	17.5	23.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	15.8	0.0	0.0	0.0	0.0	15.6	19.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	3.9	0.0	8.1	10.0	59.3	0.0	0.0	0.0	0.0	59.3	69.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1											
MARYLAND											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	45.7	0.0	0.0	45.7	7.9	0.0	0.0	0.0	0.0	7.9	53.7
RPG 2.00: FOREST RESOURCES	13.4	0.0	0.0	13.4	4.0	0.0	0.0	0.0	0.0	4.0	17.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	219.9	0.0	0.0	219.9	24.7	4.0	0.0	0.0	3.1	31.8	251.7
RPG 4.00: ANIMALS	108.2	0.0	0.0	108.2	19.1	1.2	0.0	0.0	3.2	23.5	131.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	5.0	0.0	0.0	5.0	0.4	0.8	0.0	0.0	0.0	1.2	6.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.4	0.0	0.0	1.4	4.1	0.2	0.0	0.0	0.0	4.3	5.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	27.5	0.0	0.0	27.5	2.5	0.0	0.0	0.0	1.0	3.5	31.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	41.4	0.0	0.0	41.4	2.0	0.6	0.0	0.0	0.0	2.6	44.0
GRAND TOTAL	462.9	0.0	0.0	462.9	64.9	7.1	0.0	0.0	7.3	79.3	542.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 1											
MASSACHUSETTS											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	3.0	3.0	4.4	0.0	0.0	0.0	0.0	4.4	7.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	13.0	13.0
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	11.0	0.0	0.0	20.6	1.0	32.6	32.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.4	0.4	2.6	2.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	2.7	0.0	0.0	2.7	6.6	0.0	0.0	0.0	0.9	7.5	10.2
GRAND TOTAL	2.7	0.0	3.0	5.7	46.5	0.0	0.0	21.0	2.3	69.8	75.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 1

## NEW HAMPSHIRE

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	12.2	12.2	6.8	0.0	0.0	0.0	0.0	6.8	19.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.2	4.6	4.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL	0.0	0.0	12.2	12.2	27.9	0.0	0.0	0.0	0.2	28.1	40.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 1

## NEW JERSEY

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	15.9	15.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.5	0.0	0.0	1.5	28.4	0.0	0.0	0.0	0.0	28.4	29.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	10.3	10.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9	9.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	19.0	19.0
GRAND TOTAL	1.5	0.0	0.0	1.5	96.4	0.0	0.0	0.0	0.0	96.4	97.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 1

## NEW YORK

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	NY ITHACA	NY GENEVA	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.3	0.0	0.0	2.3	25.7	0.2	22.1	2.6	0.0	50.6	52.9
RPG 2.00: FOREST RESOURCES	0.6	0.0	1.0	1.6	4.7	0.3	50.4	0.0	0.0	55.5	57.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.1	0.0	0.0	14.1	58.1	44.0	0.6	0.0	1.2	104.0	118.1
RPG 4.00: ANIMALS	36.4	0.0	0.0	36.4	35.3	1.6	1.6	46.1	0.8	85.5	121.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	44.4	0.0	0.3	4.0	0.0	48.8	48.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	15.1	0.0	0.2	0.0	0.0	15.4	15.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.4	0.0	0.0	1.4	25.1	1.6	4.6	1.8	0.8	34.0	35.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	3.1	0.0	0.0	3.1	19.8	4.5	0.0	1.3	0.0	25.6	28.7
GRAND TOTAL	58.1	0.0	1.0	59.1	228.5	52.4	80.1	56.0	2.8	419.8	478.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM GROUP SUMMARY

## PENNSYLVANIA

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	9.5	0.0	0.0	9.5	17.4	0.0	0.0	0.3	0.0	17.7	27.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	13.1	13.1	17.8	0.0	0.0	0.0	0.2	17.8	30.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	33.9	0.0	0.0	33.9	49.1	0.0	0.0	0.0	0.4	49.5	83.4
RPG 4.00: ANIMALS	46.9	0.0	0.0	46.9	30.2	0.0	0.0	22.5	0.2	52.9	99.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	11.6	11.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	16.4	16.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.6	0.0	0.0	2.6	1.6	0.0	0.0	0.8	0.0	2.4	5.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	24.0	0.0	0.0	24.0	7.3	0.0	0.0	0.0	0.3	7.6	31.6
GRAND TOTAL	117.1	0.0	13.1	130.2	151.5	0.0	0.0	23.6	1.1	176.2	306.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM GROUP SUMMARY

## RHODE ISLAND

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
GRAND TOTAL	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	23.8	23.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM GROUP SUMMARY

## VERMONT

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	10.9	10.9	1.2	0.0	3.7	0.0	0.0	4.9	15.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.8	0.0	0.6	0.0	0.0	2.4	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.1	0.1	2.6	0.0	0.0	0.0	0.0	2.6	2.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.5	0.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL	0.0	0.0	11.1	11.1	21.4	0.0	4.5	0.0	0.0	25.9	37.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 1

## WEST VIRGINIA

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.6	0.0	0.0	6.6	7.0	0.0	0.0	0.0	0.0	7.0	13.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	22.1	22.1	10.4	0.0	0.0	0.0	0.0	10.4	32.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	25.0	0.0	0.0	25.0	8.8	0.0	0.0	0.0	0.0	8.8	33.9
RPG 4.00: ANIMALS	0.1	0.0	0.0	0.1	9.4	0.0	0.0	0.0	0.6	10.0	10.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	31.8	0.0	22.1	53.9	38.9	0.0	0.0	0.0	0.6	39.5	93.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
ALABAMA											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	ALABAM TUSKEG	OTHER INSTITUTIONS ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.1	0.0	0.0	7.1	19.3	0.8	1.0	0.0	0.0	21.1	28.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.7	8.7	19.6	0.0	0.8	0.0	0.0	20.2	28.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.5	0.0	0.0	3.5	31.9	2.0	4.3	0.0	0.0	38.3	41.8
RPG 4.00: ANIMALS	8.4	0.0	0.0	8.4	35.2	2.8	1.4	17.1	0.0	55.5	62.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.3	1.3	0.9	0.0	0.0	6.5	8.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.5	0.0	2.2	0.0	0.0	8.7	8.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.2	0.0	0.2	0.0	0.0	3.4	3.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.8	0.8	0.7	0.0	0.0	5.1	5.1
GRAND TOTAL	17.1	0.0	8.7	23.8	124.0	7.5	11.8	17.1	0.0	160.2	184.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
ARKANSAS											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.0	8.0	15.1	0.0	0.0	0.0	0.0	15.1	21.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	5.8	0.0	0.0	5.8	49.0	2.8	0.0	0.0	0.0	51.8	57.7
RPG 4.00: ANIMALS	1.1	0.0	0.0	1.1	20.8	4.5	0.0	0.0	0.0	25.3	26.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.0	0.8	0.0	0.0	0.0	4.8	4.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.8	0.4	0.0	0.0	0.0	9.4	9.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.3	0.7	0.0	0.0	0.0	4.0	4.0
GRAND TOTAL	7.0	0.0	8.0	13.0	116.9	9.4	0.0	0.0	0.0	126.3	136.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
FLORIDA											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.8	0.0	0.0	7.8	48.8	5.0	0.0	0.7	0.0	54.5	62.2
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.8	8.8	27.5	0.0	0.0	0.0	0.0	27.5	36.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	78.8	0.0	0.0	78.8	214.8	1.7	0.0	0.0	2.8	218.6	267.6
RPG 4.00: ANIMALS	8.8	0.0	0.0	8.8	68.0	3.1	0.0	12.8	1.1	85.0	94.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	18.1	0.0	0.0	18.1	10.2	0.7	0.0	0.0	0.0	10.8	30.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	18.3	0.0	0.0	0.0	0.0	18.3	18.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.2	0.0	0.0	4.2	8.3	0.0	0.0	0.0	0.1	8.4	12.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	15.5	0.2	0.0	0.0	0.0	15.7	15.7
GRAND TOTAL	119.8	0.0	8.8	128.2	412.8	10.8	0.0	13.5	3.8	440.7	568.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 2

## GEORGIA

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	12.4	0.0	1.8	14.2	14.4	0.2	0.0	4.0	0.0	18.6	32.9
RPG 2.00: FOREST RESOURCES	0.8	0.0	36.2	37.0	12.0	0.0	0.0	0.0	0.0	12.0	49.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	101.9	0.0	0.0	101.9	87.5	3.8	0.0	0.0	0.1	91.5	193.5
RPG 4.00: ANIMALS	22.9	0.0	0.0	22.9	33.7	1.7	0.0	29.1	0.0	64.5	87.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.9	1.1	0.0	0.1	0.0	6.1	6.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	14.1	1.6	0.0	0.0	0.0	15.7	15.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.1	0.0	0.0	2.1	2.6	0.0	0.0	1.1	0.0	3.7	5.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	26.2	0.0	0.0	26.2	9.0	0.8	0.0	0.0	0.0	9.8	36.0
GRAND TOTAL	166.5	0.0	38.1	204.6	178.6	9.4	0.0	34.4	0.1	222.5	427.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 2

## KENTUCKY

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	7.8	0.7	0.0	0.0	0.0	8.5	8.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.1	4.1	13.8	0.5	0.0	0.0	0.0	14.3	18.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	8.0	0.0	0.0	8.0	45.0	3.5	0.0	0.0	0.1	48.6	56.8
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	34.9	0.7	0.0	0.0	1.0	36.6	36.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.5	2.4	0.0	0.0	0.0	6.9	6.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	12.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.5	7.9	7.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	8.0	0.0	4.1	12.1	126.9	8.1	0.0	0.0	1.7	136.7	148.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

## REGION 2

## LOUISIANA

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.1	0.0	0.7	6.9	11.4	0.0	0.0	0.0	0.0	11.4	18.3
RPG 2.00: FOREST RESOURCES	1.4	0.0	22.1	23.5	12.2	0.0	2.8	0.0	0.0	15.0	38.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	88.7	0.0	0.4	89.1	104.1	1.4	0.0	0.0	0.0	105.5	194.7
RPG 4.00: ANIMALS	11.1	0.0	0.0	11.1	49.5	1.3	0.0	0.5	0.6	51.9	63.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	10.9	0.6	0.0	0.0	0.0	11.5	11.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.7	1.3	0.0	0.0	0.0	10.0	10.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	1.0	4.5	4.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	12.5	0.0	0.0	12.5	3.4	0.9	0.0	0.0	0.0	4.3	16.8
GRAND TOTAL	120.0	0.0	23.3	143.3	203.9	5.5	2.8	0.5	1.6	214.3	357.6



TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

MISSISSIPPI

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1 00: NATURAL RESOURCES	22.5	0.0	0.0	22.5	18.7	0.4	0.0	0.0	0.0	19.1	41.6
RPG 2 00: FOREST RESOURCES	4.2	0.0	31.3	35.5	32.3	0.0	0.0	0.0	0.0	32.3	67.8
RPG 3 00: CROPS (FIELD & HORTICULTURAL)	81.8	0.0	0.0	81.8	74.8	2.7	0.0	0.0	0.0	77.4	159.2
RPG 4 00: ANIMALS	6.2	0.0	0.0	6.2	51.7	1.8	0.0	0.0	0.4	53.9	60.1
RPG 5 00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.9	1.8	0.0	0.0	0.0	7.7	7.7
RPG 6 00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.4	0.9	0.0	0.0	0.0	7.3	7.3
RPG 7 00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.0	1.7	1.7
RPG 8 00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.1	0.4	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL	114.8	0.0	31.3	146.1	192.7	8.1	0.0	0.0	1.4	202.2	348.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

NORTH CAROLINA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1 00: NATURAL RESOURCES	6.0	0.0	0.0	6.0	20.4	1.7	0.0	0.0	0.0	22.2	28.2
RPG 2 00: FOREST RESOURCES	0.0	0.0	27.9	27.9	39.0	0.0	0.0	0.0	0.0	39.0	66.9
RPG 3 00: CROPS (FIELD & HORTICULTURAL)	35.6	0.0	0.0	35.6	87.7	1.5	0.0	0.0	0.2	89.4	125.0
RPG 4 00: ANIMALS	0.6	0.0	0.0	0.6	49.6	2.0	0.0	0.0	1.2	52.8	53.4
RPG 5 00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.8	3.2	0.0	0.0	0.0	10.0	10.0
RPG 6 00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	15.5	1.6	0.0	0.0	0.0	17.2	17.2
RPG 7 00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.7	0.0	0.0	3.7	14.8	0.0	0.0	0.0	0.0	14.8	18.5
RPG 8 00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.8	1.9	0.0	0.0	0.0	9.7	9.7
GRAND TOTAL	46.0	0.0	27.9	73.9	242.0	12.1	0.0	0.0	1.4	255.5	329.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

OKLAHOMA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1 00: NATURAL RESOURCES	16.5	0.0	0.0	16.5	14.6	0.1	0.0	0.0	0.0	14.7	31.2
RPG 2 00: FOREST RESOURCES	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 3 00: CROPS (FIELD & HORTICULTURAL)	25.2	0.0	0.0	25.2	47.2	1.4	0.0	0.0	0.3	48.9	74.1
RPG 4 00: ANIMALS	9.3	0.0	0.0	9.3	31.1	3.5	0.0	0.0	0.0	34.6	43.9
RPG 5 00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RPG 6 00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	12.5	12.5
RPG 7 00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RPG 8 00: FOOD SCIENCE AND HUMAN NUTRITION	0.2	0.0	0.0	0.2	1.7	0.0	0.0	0.0	0.0	1.7	1.9
GRAND TOTAL	51.3	0.0	0.0	51.3	120.3	5.0	0.0	0.0	0.3	125.6	178.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

## PUERTO RICO

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.2	0.0	0.0	2.2	1.4	0.0	0.0	0.0	0.0	1.4	3.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.4	4.4	0.6	0.0	0.0	0.0	0.0	0.6	5.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.7	0.0	0.0	4.7	44.9	0.0	0.0	0.0	0.0	44.9	49.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
GRAND TOTAL	6.9	0.0	4.4	11.3	58.3	0.0	0.0	0.0	0.0	58.3	69.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

## SOUTH CAROLINA

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	4.7	0.0	0.0	4.7	5.6	0.0	0.2	0.0	0.0	5.8	10.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	7.9	7.9	0.0	0.0	13.1	0.0	0.0	13.1	21.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	24.1	0.0	0.0	24.1	63.5	1.0	0.0	0.0	0.0	64.5	88.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	23.4	0.0	0.0	0.0	0.0	23.4	23.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.7	4.2	0.0	0.0	0.0	7.9	7.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.4	0.0	0.0	0.4	6.1	1.8	0.0	0.0	0.0	7.9	8.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.8	0.5	0.0	0.0	0.0	5.3	5.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.1	0.3	0.0	0.0	0.1	3.5	3.5
GRAND TOTAL	29.3	0.0	7.9	37.2	110.6	7.6	13.3	0.0	0.1	131.6	169.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## REGION 2

## RESEARCH PROGRAM GROUP SUMMARY

## TENNESSEE

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	11.0	0.3	0.0	0.0	0.0	11.3	11.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	2.5	2.5	9.1	0.2	0.0	0.0	0.0	9.3	11.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.0	0.0	0.0	1.0	47.8	3.4	0.0	0.0	0.0	51.3	52.3
RPG 4.00: ANIMALS	2.0	0.0	0.0	2.0	27.4	0.8	0.0	0.0	0.7	28.9	30.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.7	0.3	0.0	0.0	0.0	6.1	6.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.7	0.3	0.0	0.0	0.0	9.0	9.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.1	1.1	1.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.0	0.9	0.0	0.0	0.0	6.0	6.0
GRAND TOTAL	3.0	0.0	2.5	5.5	116.0	6.5	0.0	0.0	0.8	123.3	128.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
TEXAS											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	23.1	0.0	0.0	23.1	36.2	1.7	0.2	3.2	0.0	41.5	64.7
RPG 2.00: FOREST RESOURCES	0.2	0.0	1.3	1.5	7.8	0.0	4.3	0.0	0.0	12.1	13.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	88.7	0.0	0.0	88.7	145.2	0.0	0.0	0.0	1.0	146.2	234.9
RPG 4.00: ANIMALS	43.9	0.0	0.0	43.9	52.6	9.2	0.0	23.5	5.9	91.2	135.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	1.0	0.0	0.0	1.0	5.2	0.8	0.0	0.0	0.0	6.0	7.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.8	0.0	0.0	1.8	16.5	1.0	0.0	0.0	0.0	17.5	19.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.4	0.0	0.0	0.4	16.0	0.0	0.0	0.0	0.1	16.1	16.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	9.8	0.0	0.0	9.8	8.0	0.8	0.0	0.0	0.0	8.8	18.6
RPG 9.00: UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	170.1	0.0	1.3	171.4	288.0	13.8	4.6	26.8	7.0	340.0	511.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
VIRGIN ISLANDS											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.2	0.0	0.0	0.2	2.9	0.0	0.0	0.0	0.0	2.9	3.1
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
GRAND TOTAL	0.2	0.0	0.0	0.2	5.2	0.0	0.0	0.0	0.0	5.2	5.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 2											
VIRGINIA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	28.8	1.5	0.0	0.0	0.0	30.3	30.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.5	21.5	21.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	55.2	7.8	0.0	0.0	0.0	63.0	67.0
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	47.1	1.0	0.0	0.0	0.0	48.1	48.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.1	0.9	0.0	0.0	0.0	7.0	7.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	6.3	6.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	13.0	13.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.4	1.9	0.0	0.0	0.2	5.5	5.6
GRAND TOTAL	4.0	0.0	0.0	4.0	181.5	13.1	0.0	0.0	0.7	195.3	199.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
ILLINOIS											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.5	0.0	0.0	2.5	17.9	0.0	0.7	1.2	0.0	19.8	22.4
RPG 2.00: FOREST RESOURCES	0.4	0.0	10.5	10.9	12.0	0.0	9.9	0.0	0.0	18.9	29.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	123.1	0.0	0.0	123.1	97.9	0.0	0.0	0.0	1.2	98.8	192.0
RPG 4.00: ANIMALS	4.2	0.0	0.0	4.2	35.8	0.0	0.0	38.4	0.5	75.7	80.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	11.1	11.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.3	0.0	0.0	0.3	14.5	0.0	0.0	0.0	0.0	14.5	14.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	3.9	0.0	0.0	3.9	9.1	0.0	0.0	0.0	0.0	9.1	10.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	20.8	0.0	0.0	20.8	7.8	0.0	0.0	0.8	0.0	8.9	29.4
GRAND TOTAL	155.5	0.0	10.5	198.0	173.2	0.0	7.7	41.4	1.7	224.0	390.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
INDIANA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.9	0.0	0.0	7.9	12.9	0.0	0.0	0.0	0.0	12.9	20.8
RPG 2.00: FOREST RESOURCES	0.1	0.0	0.0	0.1	9.1	0.0	0.0	0.0	0.0	9.1	9.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	9.1	0.0	0.0	9.1	51.1	0.0	0.0	0.0	1.5	52.9	91.8
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	31.8	0.0	0.0	0.0	0.0	31.8	31.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	12.1	12.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.5	11.5	11.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.4	7.0	7.0
GRAND TOTAL	17.2	0.0	0.0	17.2	138.3	0.0	0.0	0.0	2.4	140.7	157.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
IOWA											
	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	9.2	0.0	0.0	9.2	19.9	0.0	0.0	0.2	0.0	18.8	29.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.3	0.0	0.0	19.3	40.9	0.0	0.0	0.0	0.0	40.9	59.9
RPG 4.00: ANIMALS	91.8	0.0	0.0	91.8	28.8	0.0	0.0	27.4	0.0	59.2	118.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	8.7	8.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	14.0	14.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.4	0.0	0.0	0.4	3.8	0.0	0.0	0.0	0.0	3.8	4.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
GRAND TOTAL	97.8	0.0	0.0	97.8	125.3	0.0	0.0	27.8	0.0	152.9	240.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM GROUP SUMMARY

## KANSAS

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.0	0.0	0.0	5.0	14.1	0.0	0.0	0.0	0.0	14.1	19.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	20.1	0.0	0.0	20.1	102.2	0.0	0.0	0.0	0.0	102.2	122.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	50.1	0.0	0.0	0.0	0.2	50.3	50.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	9.2	9.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.8	0.0	0.0	2.8	8.6	0.0	0.0	0.0	0.0	8.6	11.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.7	7.2	7.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
GRAND TOTAL	28.0	0.0	0.0	28.0	197.7	0.0	0.0	0.0	0.9	198.6	226.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM GROUP SUMMARY

## MICHIGAN

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	OTHER INSTITUTIONS MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	21.7	0.1	0.0	0.0	0.0	21.8	21.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.0	9.0	12.7	3.7	13.2	0.0	0.1	29.7	38.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.7	0.0	0.0	7.7	44.3	0.0	0.0	0.0	0.4	44.7	52.4
RPG 4.00: ANIMALS	12.9	0.0	0.0	12.9	26.9	0.0	0.0	0.0	0.9	27.8	40.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9	8.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	22.0	22.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9	6.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	13.6	0.0	0.0	0.0	0.0	13.6	13.7
GRAND TOTAL	20.7	0.0	9.0	29.7	157.3	3.9	13.2	0.0	1.4	175.8	205.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM GROUP SUMMARY

## MINNESOTA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	11.7	0.0	0.0	11.7	22.7	0.0	0.0	0.0	0.0	22.7	34.5
RPG 2.00: FOREST RESOURCES	1.0	0.0	31.7	32.7	19.5	0.0	0.0	0.0	0.6	20.1	52.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	30.1	0.0	0.0	30.1	52.8	0.0	0.0	0.0	0.2	53.0	83.2
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	36.3	0.0	0.0	21.3	0.0	57.6	58.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	1.0	1.0	18.2	0.0	0.0	0.0	0.0	18.2	19.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.2	0.0	0.0	0.2	13.1	0.0	0.0	0.0	0.0	13.1	13.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.6	0.0	0.0	0.6	6.7	0.0	0.0	0.0	0.0	6.7	7.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	13.4	13.4
GRAND TOTAL	44.9	0.0	32.7	77.6	183.1	0.0	0.0	21.3	0.8	205.2	282.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
MISSOURI											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.9	0.0	0.0	3.9	13.1	0.1	0.0	0.0	0.0	13.3	17.2
RPG 2.00: FOREST RESOURCES	1.1	0.0	3.4	4.5	8.0	0.0	0.0	0.0	0.0	8.0	12.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.8	0.0	0.0	11.8	39.4	3.6	0.0	0.0	0.1	43.1	55.0
RPG 4.00: ANIMALS	2.1	0.0	0.0	2.1	36.5	2.0	0.0	27.3	0.0	65.8	67.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.2	1.2	0.0	0.0	0.0	5.4	5.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	11.8	0.4	0.0	0.2	0.0	12.5	12.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	6.3	0.0	0.0	6.3	9.3	0.0	0.0	0.2	0.3	9.8	16.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.9	0.0	0.0	0.9	6.7	6.0	0.0	0.0	0.0	12.7	13.8
GRAND TOTAL	26.2	0.0	3.4	29.6	129.4	13.5	0.0	27.7	0.4	171.0	200.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NEBRASKA											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	8.3	0.0	0.0	8.3	18.4	0.0	0.0	0.0	0.0	18.4	26.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.0	4.0	3.7	0.0	0.0	0.0	0.0	3.7	7.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	15.3	0.0	0.0	15.3	61.4	0.0	0.0	0.0	0.0	61.4	76.8
RPG 4.00: ANIMALS	42.6	0.0	0.0	42.6	40.8	0.0	0.0	0.0	0.1	40.9	83.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.3	0.0	0.0	0.3	4.9	0.0	0.0	0.0	0.0	4.9	5.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	2.3	0.0	0.0	2.3	5.3	0.0	0.0	0.0	0.0	5.3	7.6
GRAND TOTAL	68.9	0.0	4.0	72.9	149.1	0.0	0.0	0.0	0.1	149.2	222.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
NORTH DAKOTA											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.4	0.0	0.0	5.4	18.8	0.0	0.0	0.0	1.0	19.8	25.3
RPG 2.00: FOREST RESOURCES	1.4	0.0	0.0	1.4	2.8	0.0	0.0	0.0	0.0	2.8	4.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	39.0	0.0	0.0	39.0	61.3	0.0	0.0	0.0	0.5	61.8	100.8
RPG 4.00: ANIMALS	13.3	0.0	0.0	13.3	28.4	0.0	0.0	0.0	0.0	28.4	41.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	21.9	0.0	0.0	21.9	0.6	0.0	0.0	0.0	0.0	0.6	22.5
GRAND TOTAL	81.3	0.0	0.0	81.3	125.2	0.0	0.0	0.0	1.5	126.7	208.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
DHID											
	ARS/HNIS /OICO	USOA ERS/ ACS	PS	USOA TOTAL	SAES	OHIO ALLIAN	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.5	0.0	0.0	5.5	16.7	0.0	0.0	0.0	0.7	17.4	22.9
RPG 2.00: FOREST RESOURCES	1.2	0.0	18.9	20.1	9.8	0.0	0.0	0.0	0.1	9.9	30.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	12.4	0.0	0.0	12.4	53.7	0.0	0.0	0.0	0.0	53.7	66.2
RPG 4.00: ANIMALS	0.3	0.0	0.0	0.3	34.4	0.5	0.0	15.0	0.5	50.4	50.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	8.5	8.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	10.7	10.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.8	0.0	0.0	0.8	1.9	0.0	0.0	0.0	0.2	2.1	3.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
GRAND TOTAL	20.5	0.0	18.9	39.4	142.9	0.5	0.0	15.0	1.5	159.9	199.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
SOUTH DAKOTA											
	ARS/HNIS /OICO	USOA ERS/ ACS	PS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	5.4	5.4	2.8	0.0	0.0	0.0	0.0	2.8	8.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	8.7	0.0	0.2	8.9	28.8	0.0	0.0	0.0	0.0	28.8	37.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	27.5	0.0	0.0	0.0	0.0	27.5	27.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	8.7	0.0	5.7	14.4	73.1	0.0	0.0	0.0	0.0	73.1	87.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 3											
WISCONSIN											
	ARS/HNIS /OICO	USOA ERS/ ACS	PS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	17.8	17.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	83.8	83.8	11.7	0.0	0.0	0.0	0.7	12.4	96.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	23.0	0.0	0.0	23.0	39.5	0.0	0.0	0.0	1.2	40.7	63.7
RPG 4.00: ANIMALS	3.7	0.0	0.0	3.7	42.0	0.0	0.0	0.0	1.5	43.5	47.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	12.3	12.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	26.1	0.0	0.0	0.0	1.0	27.1	27.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.8	0.0	0.0	0.8	14.8	0.0	0.0	0.0	0.0	14.8	15.7
GRAND TOTAL	27.7	0.0	83.8	111.5	173.2	0.0	0.0	0.0	4.4	177.6	289.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

## ALASKA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.3	0.0	0.0	3.3	4.0	0.0	0.0	0.0	0.0	4.0	7.3
RPG 2.00: FDREST RESOURCES	0.0	0.0	32.2	32.2	2.0	0.0	0.0	0.0	0.0	2.0	34.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.4	0.0	0.0	1.4	4.9	0.0	0.0	0.0	0.0	4.9	6.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RPG 5.00: PEDPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RPG 6.00: CDMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 7.00: GENERAL RESOURCE DR TECHNOLDGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TDIAL	4.8	0.0	32.2	37.0	15.8	0.0	0.0	0.0	0.0	15.8	52.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PRDGRAM GROUP SUMMARY

## ARIZONA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	20.6	0.0	0.0	20.6	20.0	0.0	0.0	0.0	0.0	20.0	40.7
RPG 2.00: FDREST RESOURCES	0.0	0.0	15.2	15.2	11.0	0.0	3.6	0.0	0.0	14.6	29.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	39.4	0.0	0.0	39.4	36.6	0.0	0.0	0.0	0.0	36.6	76.0
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	27.3	0.0	0.0	0.0	0.6	27.9	27.9
RPG 5.00: PEDPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RPG 6.00: CDMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	0.0	15.4	15.4
RPG 7.00: GENERAL RESURCE DR TECHNOLDGY CLASSIFICATION ITEMS	2.0	0.0	0.0	2.0	1.9	0.0	0.0	0.0	0.0	1.9	3.9
RPG 8.00: FODD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
GRAND TDIAL	62.1	0.0	15.2	77.3	127.5	0.0	3.6	0.0	0.6	131.7	209.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

## CALIFORNIA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	22.2	0.0	0.0	22.2	68.0	0.0	0.3	2.2	0.0	70.5	92.7
RPG 2.00: FOREST RESOURCES	1.8	0.0	60.6	62.4	37.2	0.0	0.3	0.0	0.2	37.7	100.1
RPG 3.00: CRDPS (FIELD & HORTICULTURAL)	135.9	0.0	0.0	135.9	210.4	0.0	0.0	0.0	4.9	215.3	351.3
RPG 4.00: ANIMALS	5.3	0.0	0.0	5.3	82.9	0.0	0.0	72.4	3.1	158.4	163.7
RPG 5.00: PEDPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	26.2	0.0	0.0	0.0	0.0	26.2	26.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.1	0.0	0.0	1.1	19.7	0.0	0.0	0.0	0.0	19.7	20.9
RPG 7.00: GENERAL RESOURCE DR TECHNOLOGY CLASSIFICATION ITEMS	4.4	0.0	0.0	4.4	46.5	0.0	0.0	0.0	0.0	46.5	50.9
RPG 8.00: FODD SCIENCE AND HUMAN NUTRITION	31.4	0.0	0.0	31.4	34.0	0.0	0.0	2.5	0.0	36.5	67.9
GRAND TOTAL	202.3	0.0	60.6	262.9	525.3	0.0	0.6	77.1	8.2	611.2	874.1



TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990  
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 COLORADO											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	16.7	0.0	0.0	16.7	12.8	0.0	0.0	0.0	0.0	12.8	29.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	18.7	18.7	5.5	0.0	0.0	0.0	0.2	5.7	24.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	18.7	0.0	0.0	18.7	30.5	0.0	0.0	0.0	0.0	30.5	50.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	10.2	0.0	0.0	84.4	0.0	94.6	94.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.7	0.0	0.0	1.7	1.4	0.0	0.0	0.0	0.0	1.4	3.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.2	2.3	2.3
GRAND TOTAL	38.2	0.0	18.7	56.9	89.4	0.0	0.0	84.4	0.4	154.2	211.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990  
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 GUAM											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	13.5	13.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990  
RESEARCH PROGRAM GROUP SUMMARY

REGION 4 HAWAII											
	ARS/HNIS /OICD	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	12.1	12.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.2	4.2	4.2	0.0	0.0	0.0	0.0	4.2	8.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.4	0.0	0.0	14.4	49.2	0.0	0.0	0.0	0.0	49.2	63.6
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	13.8	0.0	0.0	0.0	1.2	14.9	15.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	4.2	0.0	0.0	0.0	7.1	11.3	12.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
GRAND TOTAL	15.4	0.0	4.2	20.6	95.0	0.0	0.0	0.0	8.4	104.4	125.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

IDAHO

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	17.2	0.0	0.0	17.2	10.3	0.0	2.2	0.0	0.0	12.5	29.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	22.3	22.3	1.9	0.0	14.9	0.0	0.0	16.9	39.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.8	0.0	0.0	13.8	44.1	0.0	0.3	0.0	0.0	44.4	58.3
RPG 4.00: ANIMALS	7.3	0.0	0.0	7.3	9.7	0.0	0.0	0.0	0.1	9.8	17.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.9	0.0	1.5	0.0	0.0	5.4	5.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
GRAND TOTAL	38.4	0.0	22.3	60.7	83.5	0.0	19.0	0.0	0.1	102.6	163.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

MONTANA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	1.2	0.0	0.0	1.2	8.8	0.0	0.0	0.0	0.0	8.8	10.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	27.5	27.5	2.4	0.0	16.9	0.0	0.0	19.3	46.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	21.2	0.0	0.0	21.2	36.5	0.0	0.0	0.0	0.0	36.5	57.7
RPG 4.00: ANIMALS	6.5	0.0	0.0	6.5	16.3	0.0	0.0	0.0	0.0	16.3	22.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
GRAND TOTAL	29.0	0.0	27.5	56.5	75.9	0.0	16.9	0.0	0.0	92.8	149.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

NEVADA

	ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.2
RPG 2.00: FOREST RESOURCES	0.0	0.0	1.0	1.0	2.1	0.0	0.0	0.0	0.0	2.1	3.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.9	0.0	0.0	4.9	6.8	0.0	0.0	0.0	0.0	6.6	11.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	5.0	0.0	1.0	6.0	33.1	0.0	0.0	0.0	0.0	33.1	39.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

NEW MEXICO

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1	9.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.1	4.1	4.3	0.0	0.0	0.0	0.0	4.3	8.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.7	0.0	0.0	6.7	29.3	0.0	0.0	0.0	0.0	29.3	36.0
RPG 4.00: ANIMALS	1.2	0.0	0.0	1.2	11.5	0.0	0.0	0.0	0.0	11.5	12.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
GRAND TOTAL	8.0	0.0	4.1	12.1	63.3	0.0	0.0	0.0	0.0	63.3	75.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

NORTHERN MARIANAS

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
GRAND TOTAL	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM GROUP SUMMARY

OREGON

	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.9	0.0	0.0	2.9	25.0	0.0	6.2	0.0	0.0	31.3	34.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	65.4	65.4	5.9	0.0	58.3	0.0	0.2	64.5	129.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	30.5	0.0	0.0	30.5	79.1	0.0	0.1	0.0	0.3	79.5	110.1
RPG 4.00: ANIMALS	0.7	0.0	0.0	0.7	31.0	0.0	0.0	3.9	0.0	34.9	35.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.2	0.0	1.1	0.0	0.0	7.3	7.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	6.9	0.0	0.5	0.0	0.0	7.6	7.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	14.6	14.6
GRAND TOTAL	34.2	0.0	65.5	99.7	174.2	0.0	66.4	3.9	0.5	245.1	344.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
UTAH											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	8.5	8.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	15.8	15.8	9.8	0.0	0.0	0.0	0.0	9.8	25.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.3	0.0	0.0	14.3	21.2	0.0	0.0	0.0	0.8	22.0	38.4
RPG 4.00: ANIMALS	9.8	0.0	0.0	9.8	30.9	0.0	0.0	0.0	0.0	30.9	40.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
GRAND TOTAL	24.2	0.0	15.8	40.0	81.7	0.0	0.0	0.0	0.8	82.5	122.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
WASHINGTON											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.8	0.0	0.0	7.8	11.2	0.0	1.2	0.0	0.0	12.4	20.0
RPG 2.00: FOREST RESOURCES	1.4	0.0	16.3	17.7	4.8	0.0	18.9	0.0	1.3	25.1	42.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	49.4	0.0	0.0	49.4	84.1	0.0	0.3	0.0	0.2	84.7	114.1
RPG 4.00: ANIMALS	7.9	0.0	0.0	7.9	16.8	0.0	0.4	0.0	0.6	17.8	25.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.1	0.0	0.3	0.0	0.0	7.4	7.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	8.5	8.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.7	0.0	0.0	1.7	2.8	0.0	0.0	0.0	0.0	2.8	4.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
GRAND TOTAL	68.1	0.0	16.3	84.4	118.7	0.0	21.3	0.0	2.1	142.1	226.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM GROUP SUMMARY

REGION 4											
WYOMING											
	ARS/HNIS /OICO	USOA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.3	0.0	0.0	0.3	4.3	0.0	0.0	0.0	0.0	4.3	4.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.8	4.8	3.3	0.0	0.0	0.0	0.0	3.3	8.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.7	0.0	0.0	1.7	14.5	0.0	0.0	0.0	0.0	14.5	16.2
RPG 4.00: ANIMALS	11.8	0.0	0.0	11.8	17.9	0.0	0.0	0.0	0.0	17.9	29.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
GRAND TOTAL	14.0	0.0	4.8	18.8	48.0	0.0	0.0	0.0	0.0	48.0	66.8

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

		ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	112.6	24.2	0.0	136.9	257.6	3.7	1.2	0.0	0.0	262.7	399.6
RP	1.02: WATER & WATERSHEDS	121.4	13.8	0.7	135.8	149.1	3.3	2.4	0.0	0.0	154.9	290.7
RP	1.03: RECREATION	0.0	0.8	0.0	0.8	19.4	0.0	0.9	0.0	0.0	20.3	21.2
RP	1.04: ENVIRONMENTAL QUALITY	69.1	0.0	0.0	69.1	169.3	2.8	21.7	10.2	1.0	225.0	294.2
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	6.3	0.0	1.8	8.2	44.1	0.1	1.8	0.0	0.7	46.8	55.0
RP	1.06: FISH & WILDLIFE	0.1	1.0	0.0	1.1	95.7	4.4	4.2	4.2	0.0	108.7	109.8
RP	1.07: REMOTE SENSING	14.6	0.0	0.0	14.6	13.7	1.0	1.1	0.0	0.0	15.8	30.4
RP	1.08: AQUATIC WEEDS	0.4	0.0	0.0	0.4	2.5	0.0	0.0	0.0	0.0	2.5	2.9
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	45.3	45.3	31.7	0.0	9.5	0.0	0.0	41.2	86.6
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	171.8	171.8	147.1	1.1	73.9	0.0	1.1	223.3	395.1
RP	2.03: FOREST PROTECTION	16.4	0.0	146.1	162.5	68.1	0.0	8.2	0.0	0.0	76.4	238.9
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	142.8	142.8	105.0	0.0	67.1	0.0	3.2	175.4	318.2
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	90.4	90.6	45.9	0.2	25.0	0.0	0.0	71.1	161.8
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	56.1	56.1	35.4	0.0	7.9	0.0	0.0	43.3	99.5
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	18.3	18.3	15.4	0.0	13.4	0.0	0.0	28.8	47.2
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	15.5	15.5	21.5	0.0	3.8	0.0	0.0	25.4	40.9
RP	2.09: TECHNICAL ASSISTANCE	16.6	0.0	0.0	16.6	18.1	0.0	0.1	0.0	0.0	18.2	34.8
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.9	0.0	5.0	5.9	3.3	0.0	0.3	0.0	0.0	3.7	9.7
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	1.3	0.0	1.8	0.0	0.0	3.1	3.1
RP	3.01: CORN	138.6	0.0	0.0	138.6	177.6	1.1	0.0	0.0	1.6	180.3	319.0
RP	3.02: GRAIN SORGHUM	12.6	0.0	0.0	12.6	59.2	0.4	0.0	0.0	0.1	59.8	72.4
RP	3.03: WHEAT	127.0	0.0	0.0	127.0	182.1	0.1	0.0	0.0	0.0	182.3	309.3
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	35.2	0.0	0.0	35.2	71.7	0.7	0.0	0.0	0.0	72.5	107.7
RP	3.05: RICE	16.4	0.0	0.0	16.4	44.2	0.0	0.0	0.0	0.0	44.2	60.6
RP	3.06: SOYBEANS	138.0	0.0	0.0	138.0	181.9	14.9	0.0	0.0	2.2	199.1	337.2
RP	3.07: PEANUTS	28.1	0.0	0.0	28.1	38.8	0.9	0.0	0.0	0.0	39.8	68.0
RP	3.08: SUGAR	37.9	0.0	0.0	37.9	39.5	0.0	0.0	0.0	0.0	39.5	77.4
RP	3.09: FORAGE, RANGE, & PASTURE	193.5	0.0	0.6	194.1	278.6	4.1	0.3	0.0	1.1	284.2	478.4
RP	3.10: COTTON	176.2	0.0	0.0	176.2	105.5	0.0	0.0	0.0	0.0	105.5	281.8
RP	3.11: TOBACCO	30.2	0.0	0.0	30.2	51.6	0.0	0.0	0.0	0.1	51.7	81.9
RP	3.12: NEW CROPS & MINOR OILSEEDS	34.5	0.0	0.0	34.5	70.3	1.9	0.2	0.0	0.0	72.5	107.0
RP	3.13: FRUIT	207.8	0.0	0.0	207.8	403.1	3.0	0.0	0.0	2.1	408.3	616.1
RP	3.14: VEGETABLE CROPS	184.6	0.0	0.0	184.6	483.1	16.8	0.0	0.0	1.3	501.3	685.9
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	28.6	1.0	0.0	29.6	207.7	2.8	0.0	0.0	0.0	210.5	240.1
RP	3.16: BEES & OTHER POLLINATING INSECTS	27.1	1.3	0.0	28.4	12.4	1.0	0.0	0.0	0.0	13.4	41.9
RP	3.17: WEEDS IN CROPS	17.1	0.0	0.0	17.1	8.6	0.0	0.0	0.0	0.0	8.6	25.7

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

		ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	3.18: SEEDS	4.3	0.0	0.0	4.3	21.6	0.0	0.0	0.0	0.0	21.6	25.9
RP	3.19: NONSPECIFIC PLANTS	96.7	0.0	0.0	96.7	239.1	0.0	0.8	0.0	11.9	251.9	348.6
RP	4.01: BEEF	145.6	0.0	0.0	145.6	336.9	2.6	0.0	85.9	6.3	431.8	577.4
RP	4.02: DAIRY	116.6	0.0	0.0	116.6	269.3	1.0	0.0	51.2	0.0	321.6	438.3
RP	4.03: POULTRY	76.9	0.0	0.0	76.9	204.3	3.2	0.0	28.0	3.4	239.0	315.9
RP	4.04: SHEEP	35.6	0.0	0.0	35.6	78.1	1.0	0.0	23.7	0.0	102.9	138.5
RP	4.05: SWINE	72.5	0.0	0.0	72.5	151.5	4.8	0.0	43.0	0.9	200.2	272.7
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	7.1	0.0	0.0	7.1	62.6	18.2	0.0	104.7	1.4	187.0	194.1
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	11.0	0.0	0.0	11.0	94.7	5.9	0.6	6.0	1.6	109.0	120.0
RP	4.08: NONSPECIFIC ANIMALS	4.0	0.0	0.0	4.0	114.6	0.2	0.0	120.2	7.0	242.1	246.2
RP	4.09: INVERTEBRATES	45.1	0.0	0.0	45.1	88.0	0.0	1.4	0.3	6.4	96.1	141.3
RP	5.01: INDIVIDUALS AND FAMILIES	4.0	6.0	0.0	10.0	100.9	6.3	0.0	0.0	0.0	107.3	117.3
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	28.8	5.7	0.1	0.0	0.0	34.7	34.7
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.5	17.1	0.0	17.7	146.2	10.1	2.0	4.2	0.0	162.6	180.4
RP	5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	20.6	0.0	0.0	20.6	38.3	0.0	0.0	0.0	0.0	38.3	58.9
RP	5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	10.8	0.0	1.7	0.0	0.0	12.5	13.6
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	60.0	0.0	60.0	163.9	4.1	0.0	0.2	0.0	168.2	228.3
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	4.6	117.0	0.0	121.6	91.8	1.9	0.2	0.0	0.7	94.8	216.5
RP	6.03: MARKETING & COMPETITION	5.5	144.1	0.1	149.9	164.2	5.9	0.0	0.0	6.3	176.5	326.4
RP	7.01: MANMADE RESOURCES	5.8	0.0	0.0	5.8	16.6	0.0	1.8	0.2	1.0	19.7	25.5
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	59.9	0.0	0.0	59.9	275.4	0.8	3.5	4.1	7.9	291.9	351.8
RP	8.01: HUMAN NUTRITION	92.2	5.6	0.0	97.9	149.7	14.9	0.0	2.8	1.0	168.4	266.3
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	44.5	0.7	0.0	0.0	0.0	45.2	45.2
RP	8.03: FOOD SAFETY	103.8	2.7	0.0	106.5	95.7	1.5	0.0	1.8	1.1	100.1	206.7
RP	8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	2.2	0.0	0.0	2.2	12.8	0.0	0.0	0.0	0.0	12.8	15.1
RP	8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP	9.01: UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL		2709.5	195.0	696.2	3800.7	6690.2	154.8	257.9	491.3	71.8	7666.0	11466.7

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

FOREIGN

## RESEARCH PROGRAM SUMMARY

			-----+ ARS/HNIS /OICO	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP	2.03:	FOREST PROTECTION	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	2.09:	TECHNICAL ASSISTANCE	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP	3.03:	WHEAT	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP	3.09:	FORAGE, RANGE, & PASTURE	2.7	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
RP	3.13:	FRUIT	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RP	4.01:	BEEF	7.1	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	7.1
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.03:	POULTRY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	5.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL			15.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## NORTHEAST REGION

		ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	14.1	24.2	0.0	38.4	30.8	0.0	0.1	0.0	0.0	30.9	69.3
RP	1.02: WATER & WATERSHEDS	12.0	13.6	0.0	25.7	11.6	0.0	0.0	0.0	0.0	11.7	37.4
RP	1.03: RECREATION	0.0	0.8	0.0	0.8	2.6	0.0	0.1	0.0	0.0	2.7	3.6
RP	1.04: ENVIRONMENTAL QUALITY	28.4	0.0	0.0	28.4	50.4	0.0	19.7	1.0	0.0	71.3	99.7
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.9	0.0	0.0	0.9	4.7	0.0	0.2	0.0	0.0	4.9	5.9
RP	1.06: FISH & WILDLIFE	0.0	1.0	0.0	1.0	16.8	1.7	1.7	1.8	0.0	22.1	23.1
RP	1.07: REMOTE SENSING	8.5	0.0	0.0	8.5	3.6	0.0	0.0	0.0	0.0	3.7	12.2
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.0	4.0	5.2	0.0	0.8	0.0	0.0	6.1	10.1
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	21.3	21.3	21.3	0.0	19.8	0.0	0.4	41.5	62.8
RP	2.03: FOREST PROTECTION	14.6	0.0	15.7	30.4	20.1	0.0	1.5	0.0	0.0	21.6	52.0
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	17.0	17.0	10.7	0.0	24.6	0.0	0.0	35.3	52.4
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	12.1	12.1	10.5	0.0	3.7	0.0	0.0	14.3	26.4
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.5	3.5	4.3	0.0	1.0	0.0	0.0	5.3	8.8
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.0	3.0	2.1	0.0	0.2	0.0	0.0	2.3	5.3
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	1.0	1.0	4.4	0.0	0.4	0.0	0.0	4.8	5.8
RP	2.09: TECHNICAL ASSISTANCE	1.7	0.0	0.0	1.7	0.7	0.0	0.0	0.0	0.0	0.7	2.4
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.9	0.0	0.0	0.9	0.0	0.0	0.3	0.0	0.0	0.3	1.2
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	1.5	0.0	0.0	1.7	1.7
RP	3.01: CORN	7.1	0.0	0.0	7.1	19.4	0.0	0.0	0.0	0.0	19.4	26.6
RP	3.02: GRAIN SORGHUM	0.3	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0	0.9	1.2
RP	3.03: WHEAT	14.3	0.0	0.0	14.3	7.3	0.0	0.0	0.0	0.0	7.3	21.7
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	5.1	0.0	0.0	5.1	8.8	0.0	0.0	0.0	0.0	8.8	12.0
RP	3.05: RICE	2.1	0.0	0.0	2.1	0.9	0.0	0.0	0.0	0.0	0.9	3.0
RP	3.06: SOYBEANS	30.2	0.0	0.0	30.2	8.5	4.0	0.0	0.0	2.2	14.7	44.9
RP	3.07: PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08: SUGAR	4.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
RP	3.09: FORAGE, RANGE, & PASTURE	31.7	0.0	0.0	31.7	15.9	1.0	0.0	0.0	0.0	16.9	48.6
RP	3.10: COTTON	2.1	0.0	0.0	2.1	0.1	0.0	0.0	0.0	0.0	0.1	2.2
RP	3.11: TOBACCO	4.0	0.0	0.0	4.0	7.9	0.0	0.0	0.0	0.0	7.9	12.0
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.4	0.0	0.0	0.4	2.7	0.0	0.0	0.0	0.0	2.7	3.2
RP	3.13: FRUIT	45.6	0.0	0.0	45.6	71.2	0.0	0.0	0.0	0.0	71.2	116.9
RP	3.14: VEGETABLE CROPS	70.1	0.0	0.0	70.1	88.7	1.8	0.0	0.0	0.3	88.8	159.0
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	24.0	1.0	0.0	25.0	33.7	0.2	0.0	0.0	0.0	33.9	58.9
RP	3.16: BEES & OTHER POLLINATING INSECTS	5.0	1.3	0.0	6.3	1.6	0.0	0.0	0.0	0.0	1.6	8.0
RP	3.17: WEEDS IN CROPS	9.5	0.0	0.0	9.5	0.4	0.0	0.0	0.0	0.0	0.4	9.9
RP	3.18: SEEDS	2.5	0.0	0.0	2.5	3.2	0.0	0.0	0.0	0.0	3.2	5.7



TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

## NORTHEAST REGION

			-----+	USDA	-----+	USDA	-----+	OTHER INSTITUTIONS	-----+			GRAND	
			ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	DTHR	TOTAL	TOTAL
RP	3.19:	NONSPECIFIC PLANTS	47.5	0.0	0.0	47.5	27.0	0.0	0.6	0.0	2.4	30.0	77.6
RP	4.01:	BEEF	29.3	0.0	0.0	29.3	11.2	0.1	0.0	2.7	1.4	15.4	44.8
RP	4.02:	DAIRY	61.4	0.0	0.0	61.4	49.4	0.6	0.0	9.0	0.0	59.1	120.6
RP	4.03:	POULTRY	29.6	0.0	0.0	29.6	44.4	0.0	0.0	4.5	1.6	50.6	80.2
RP	4.04:	SHEEP	8.0	0.0	0.0	8.0	5.3	0.0	0.0	4.5	0.0	9.9	17.9
RP	4.05:	SWINE	32.3	0.0	0.0	32.3	8.6	0.0	0.0	3.4	0.0	12.1	44.4
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	4.7	0.0	0.0	4.7	8.8	0.0	0.0	35.6	0.0	44.4	49.2
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	11.8	0.4	0.2	0.1	0.0	12.5	12.5
RP	4.08:	NONSPECIFIC ANIMALS	1.0	0.0	0.0	1.0	8.4	0.0	0.0	28.8	1.6	38.8	39.8
RP	4.09:	INVERTEBRATES	33.2	0.0	0.0	33.2	15.3	0.0	1.4	0.3	1.7	18.7	51.9
RP	5.01:	INDIVIDUALS AND FAMILIES	4.0	8.0	0.0	10.0	25.8	0.0	0.0	0.0	0.0	25.8	35.8
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	5.1	0.8	0.0	0.0	0.0	6.0	6.0
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	17.1	0.0	17.1	40.8	1.0	0.3	4.0	0.0	46.3	63.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	1.0	0.0	0.0	1.0	10.1	0.0	0.0	0.0	0.0	10.1	11.1
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.4	0.0	0.6	0.0	0.0	2.0	2.0
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	60.0	0.0	60.0	23.6	0.1	0.0	0.0	0.0	23.7	83.8
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.1	117.0	0.0	118.1	10.4	0.0	0.2	0.0	0.0	10.7	128.8
RP	6.03:	MARKETING & COMPETITION	0.3	144.1	0.1	144.7	22.5	0.1	0.0	0.0	0.0	22.7	167.4
RP	7.01:	MANMADE RESOURCES	4.8	0.0	0.0	4.8	2.1	0.0	1.8	0.0	0.0	4.0	8.8
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	27.7	0.0	0.0	27.7	44.8	0.0	2.9	3.0	3.3	54.0	81.8
RP	8.01:	HUMAN NUTRITION	44.2	5.6	0.0	49.9	31.6	0.6	0.0	0.0	0.3	32.5	82.4
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	13.3	13.3
RP	8.03:	FOOD SAFETY	27.0	2.7	0.0	29.7	21.1	0.0	0.0	1.3	0.9	23.3	53.0
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
GRAND TOTAL			698.6	395.0	77.9	1171.5	917.9	12.8	84.6	100.6	16.1	1132.0	2303.5

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

## SOUTHERN REGION

			+	USOA	+	+	OTHER INSTITUTIONS	+				
			ARS/HNIS	ERS/	FS	USOA	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
			/OICD	ACS		TOTAL	TUSK	SCH	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	33.4	0.0	0.0	33.4	83.9	3.6	0.1	0.0	0.0	121.1
RP	1.02:	WATER & WATERSHEDS	48.2	0.0	0.7	47.0	47.4	3.3	0.1	0.0	0.0	98.0
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9
RP	1.04:	ENVIRONMENTAL QUALITY	21.7	0.0	0.0	21.7	60.7	2.8	0.0	5.8	0.0	91.1
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	2.3	0.0	1.8	4.2	14.1	0.1	0.2	0.0	0.0	18.6
RP	1.06:	FISH & WILDLIFE	0.1	0.0	0.0	0.1	30.8	2.7	0.0	2.1	0.0	35.8
RP	1.07:	REMOTE SENSING	4.4	0.0	0.0	4.4	3.7	1.0	0.0	0.0	0.0	9.1
RP	1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	16.8	16.8	9.8	0.0	1.8	0.0	0.0	28.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	59.4	59.4	73.2	1.1	8.4	0.0	0.0	142.2
RP	2.03:	FOREST PROTECTION	0.0	0.0	31.4	31.4	22.3	0.0	1.9	0.0	0.0	55.7
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	19.4	19.4	60.5	0.0	3.6	0.0	0.5	84.1
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	17.9	17.9	17.7	0.2	1.3	0.0	0.0	37.3
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	6.4	6.4	13.6	0.0	0.7	0.0	0.0	20.7
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.3	1.3	4.3	0.0	0.7	0.0	0.0	6.3
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.2	1.2	7.3	0.0	1.6	0.0	0.0	10.1
RP	2.09:	TECHNICAL ASSISTANCE	6.7	0.0	0.0	6.7	5.7	0.0	0.0	0.0	0.0	12.4
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	5.0	5.0	1.7	0.0	0.0	0.0	0.0	8.7
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
RP	3.01:	CORN	35.4	0.0	0.0	35.4	42.4	1.1	0.0	0.0	0.0	79.0
RP	3.02:	GRAIN SORGHUM	6.7	0.0	0.0	6.7	33.2	0.4	0.0	0.0	0.0	40.3
RP	3.03:	WHEAT	18.9	0.0	0.0	18.9	47.8	0.1	0.0	0.0	0.0	67.0
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	3.2	0.0	0.0	3.2	8.3	0.7	0.0	0.0	0.0	12.3
RP	3.05:	RICE	12.1	0.0	0.0	12.1	35.5	0.0	0.0	0.0	0.0	47.7
RP	3.06:	SOYBEANS	38.7	0.0	0.0	38.7	94.0	10.3	0.0	0.0	0.0	143.1
RP	3.07:	PEANUTS	27.9	0.0	0.0	27.9	37.6	0.9	0.0	0.0	0.0	66.5
RP	3.08:	SUGAR	14.0	0.0	0.0	14.0	26.3	0.0	0.0	0.0	0.0	40.3
RP	3.09:	FORAGE, RANGE, & PASTURE	53.9	0.0	0.4	54.3	122.0	2.3	0.0	0.0	1.0	179.7
RP	3.10:	COTTON	147.0	0.0	0.0	147.0	83.9	0.0	0.0	0.0	0.0	231.0
RP	3.11:	TOBACCO	25.1	0.0	0.0	25.1	39.7	0.0	0.0	0.0	0.0	64.8
RP	3.12:	NEW CROPS & MINOR OILSEEDS	8.5	0.0	0.0	8.5	13.8	1.9	0.0	0.0	0.0	24.3
RP	3.13:	FRUIT	83.5	0.0	0.0	83.5	160.2	3.0	0.0	0.0	0.0	246.7
RP	3.14:	VEGETABLE CROPS	40.7	0.0	0.0	40.7	185.5	12.8	0.0	0.0	0.0	239.0
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.6	0.0	0.0	0.6	98.2	2.6	0.0	0.0	0.0	101.4
RP	3.16:	BEES & OTHER POLLINATING INSECTS	11.6	0.0	0.0	11.6	1.8	1.0	0.0	0.0	0.0	14.4
RP	3.17:	WEEDS IN CROPS	0.9	0.0	0.0	0.9	2.8	0.0	0.0	0.0	0.0	3.8

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## SOUTHERN REGION

			+-----+ USOA		+-----+ OTHER INSTITUTIONS		+-----+ GRAND						
			ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	TOTAL
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP	3.19:	NONSPECIFIC PLANTS	22.8	0.0	0.0	22.8	84.7	0.0	0.0	0.0	3.3	68.0	90.9
RP	4.01:	BEEF	47.4	0.0	0.0	47.4	145.3	2.2	0.0	13.0	4.9	165.5	212.9
RP	4.02:	DAIRY	11.8	0.0	0.0	11.8	91.7	0.4	0.0	6.2	0.0	98.4	110.3
RP	4.03:	POULTRY	28.7	0.0	0.0	28.7	86.7	3.2	0.0	17.3	0.2	107.4	136.2
RP	4.04:	SHEEP	2.5	0.0	0.0	2.5	19.5	0.1	0.0	1.2	0.0	20.9	23.4
RP	4.05:	SWINE	8.3	0.0	0.0	8.3	51.4	4.2	0.0	7.3	0.2	63.2	71.5
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.1	0.0	0.0	0.1	29.6	18.0	0.0	23.0	0.3	71.0	71.2
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	10.0	0.0	0.0	10.0	56.3	5.4	0.0	2.5	0.4	64.6	74.7
RP	4.08:	NONSPECIFIC ANIMALS	0.3	0.0	0.0	0.3	20.7	0.2	0.0	12.2	2.5	35.7	36.0
RP	4.09:	INVERTEBRATES	4.2	0.0	0.0	4.2	29.8	0.0	0.0	0.0	2.4	32.0	36.2
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	12.6	5.6	0.0	0.0	0.0	18.2	18.2
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	10.0	4.6	0.0	0.0	0.0	14.6	14.6
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.5	0.0	0.0	0.5	40.8	8.9	0.0	0.1	0.0	49.9	50.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	19.6	0.0	0.0	19.6	10.2	0.0	0.0	0.0	0.0	10.2	29.8
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	63.4	3.9	0.0	0.0	0.0	67.4	67.4
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	22.9	1.9	0.0	0.0	0.0	24.8	24.8
RP	6.03:	MARKETING & COMPETITION	2.0	0.0	0.0	2.0	58.5	5.3	0.0	0.0	0.0	63.9	66.0
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	1.0	4.4	4.4
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	10.6	0.0	0.0	10.6	80.8	0.8	0.0	1.1	1.8	84.7	95.4
RP	8.01:	HUMAN NUTRITION	2.8	0.0	0.0	2.8	37.2	8.2	0.0	0.0	0.1	45.5	48.3
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	6.7	0.7	0.0	0.0	0.0	7.4	7.4
RP	8.03:	FOOD SAFETY	44.4	0.0	0.0	44.4	24.1	1.5	0.0	0.0	0.2	25.8	70.2
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	1.5	0.0	0.0	1.5	2.8	0.0	0.0	0.0	0.0	2.8	4.3
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	9.01:	UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL			863.8	0.0	162.1	1025.9	2477.5	128.5	20.7	92.3	18.9	2737.9	3763.8

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## NORTH CENTRAL REGION

			+	USOA	+	+	1880/	OTHER INSTITUTIONS				
			ARS/HNIS	ERS/	FS	USOA	SAES	TUSK	FRSTRY	VET	OTHR	GRAND
			/OICO	ACS		TOTAL			SCH	SCH	TOTAL	TOTAL
RP	1.01:	SOIL & LAND USE	33.8	0.0	0.0	33.8	80.4	0.1	0.0	0.0	0.0	124.4
RP	1.02:	WATER & WATERSHEOS	13.3	0.0	0.0	13.3	33.9	0.0	0.0	0.0	0.0	47.2
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7
RP	1.04:	ENVIRONMENTAL QUALITY	11.4	0.0	0.0	11.4	38.6	0.0	0.2	1.2	1.0	50.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.0	0.0	0.0	1.0	12.1	0.0	0.8	0.0	0.7	14.5
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	20.2	0.0	0.0	0.2	0.0	20.4
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	8.1	8.1	8.8	0.0	1.4	0.0	0.0	18.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	20.8	20.8	30.8	0.0	9.8	0.0	0.0	61.4
RP	2.03:	FOREST PROTECTION	1.2	0.0	19.3	20.5	10.5	0.0	0.7	0.0	0.0	31.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	84.9	84.9	20.1	0.0	8.2	0.0	1.5	112.8
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.2	0.0	19.5	19.8	9.8	0.0	3.9	0.0	0.0	33.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	8.8	8.8	2.9	0.0	0.8	0.0	0.0	12.6
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	5.0	5.0	8.0	0.0	0.4	0.0	0.0	11.5
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.9	1.9	4.5	0.0	0.4	0.0	0.0	6.9
RP	2.09:	TECHNICAL ASSISTANCE	3.9	0.0	0.0	3.9	8.6	0.0	0.0	0.0	0.0	10.6
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
RP	3.01:	CORN	85.9	0.0	0.0	85.9	108.8	0.0	0.0	0.0	0.1	192.8
RP	3.02:	GRAIN SORGHUM	5.4	0.0	0.0	5.4	23.7	0.0	0.0	0.0	0.0	29.2
RP	3.03:	WHEAT	50.4	0.0	0.0	50.4	78.9	0.0	0.0	0.0	0.0	127.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	13.2	0.0	0.0	13.2	31.5	0.0	0.0	0.0	0.0	44.8
RP	3.05:	RICE	0.5	0.0	0.0	0.5	5.1	0.0	0.0	0.0	0.0	5.6
RP	3.06:	SOYBEANS	87.3	0.0	0.0	87.3	74.5	0.8	0.0	0.0	0.0	142.4
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
RP	3.08:	SUGAR	7.8	0.0	0.0	7.8	8.8	0.0	0.0	0.0	0.0	14.4
RP	3.09:	FORAGE, RANGE, & PASTURE	29.5	0.0	0.2	29.7	60.1	0.8	0.0	0.0	0.1	90.8
RP	3.10:	COTTON	5.2	0.0	0.0	5.2	1.2	0.0	0.0	0.0	0.0	6.4
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.1	2.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	14.7	0.0	0.0	14.7	19.9	0.0	0.0	0.0	0.0	34.7
RP	3.13:	FRUIT	2.5	0.0	0.0	2.5	38.2	0.0	0.0	0.0	0.0	40.7
RP	3.14:	VEGETABLE CROPS	18.2	0.0	0.0	18.2	88.1	2.2	0.0	0.0	0.5	107.0
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	2.4	0.0	0.0	2.4	35.9	0.0	0.0	0.0	0.0	38.4
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4
RP	3.17:	WEEOS IN CROPS	4.7	0.0	0.0	4.7	3.4	0.0	0.0	0.0	0.0	8.2
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

## NORTH CENTRAL REGION

		+	USOA	+	+	OTHER INSTITUTIONS	+			+	GRAND
		ARS/HNIS	ERS/	FS	USOA	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
		/OICO	ACS		TOTAL	TUSK	SCH	SCH			
RP	3.19: NONSPECIFIC PLANTS	9.0	0.0	0.0	9.0	65.7	0.0	0.0	4.3	70.0	79.0
RP	4.01: BEEF	42.0	0.0	0.0	42.0	104.3	0.2	9.7	0.0	114.4	156.4
RP	4.02: DAIRY	32.7	0.0	0.0	32.7	83.8	0.0	13.2	0.0	97.0	129.7
RP	4.03: POULTRY	18.3	0.0	0.0	18.3	48.6	0.0	5.7	1.3	55.6	74.0
RP	4.04: SHEEP	9.1	0.0	0.0	9.1	23.6	0.9	1.9	0.0	26.4	35.5
RP	4.05: SWINE	31.9	0.0	0.0	31.9	84.0	0.6	31.6	0.4	116.6	148.6
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.2	0.0	0.0	0.2	10.7	0.2	27.4	0.6	39.0	39.3
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.1	0.0	0.7	0.0	3.8	3.8
RP	4.08: NONSPECIFIC ANIMALS	0.4	0.0	0.0	0.4	45.1	0.0	40.0	0.5	85.6	86.0
RP	4.09: INVERTEBRATES	7.2	0.0	0.0	7.2	16.2	0.0	0.0	1.4	17.6	24.8
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	42.7	0.7	0.0	0.0	43.4	43.4
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	8.0	0.2	0.0	0.0	8.3	8.3
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	35.9	0.2	0.0	0.0	36.2	36.2
RP	5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0
RP	5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	2.3	0.0	0.0	0.0	2.3	3.3
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	53.7	0.0	0.2	0.0	53.9	53.9
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.3	0.0	0.0	0.3	32.2	0.0	0.0	0.0	32.2	32.6
RP	6.03: MARKETING & COMPETITION	3.1	0.0	0.0	3.1	49.6	0.4	0.0	0.0	50.1	53.2
RP	7.01: MANMADE RESOURCES	1.0	0.0	0.0	1.0	6.0	0.0	0.2	0.0	6.2	7.2
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	11.4	0.0	0.0	11.4	82.0	0.0	0.0	2.7	84.7	96.2
RP	8.01: HUMAN NUTRITION	22.0	0.0	0.0	22.0	42.6	6.0	0.8	0.4	49.9	72.0
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	14.0	14.0
RP	8.03: FOOD SAFETY	24.0	0.0	0.0	24.0	22.1	0.0	0.0	0.0	22.1	46.1
RP	8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.7	0.0	0.0	0.7	4.4	0.0	0.0	0.0	4.4	5.1
RP	8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	4.1	4.1
GRAND TOTAL		587.4	0.0	168.0	755.4	1767.8	13.5	133.0	15.6	1954.7	2710.1

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM SUMMARY

## WESTERN REGION

			ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	31.2	0.0	0.0	31.2	52.4	0.0	1.0	0.0	0.0	53.4	84.8
RP	1.02:	WATER & WATERSHEDS	49.7	0.0	0.0	49.7	56.1	0.0	2.2	0.0	0.0	58.3	108.0
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	5.2	0.0	0.8	0.0	0.0	6.0	6.0
RP	1.04:	ENVIRONMENTAL QUALITY	7.5	0.0	0.0	7.5	41.4	0.0	1.6	2.1	0.0	45.1	52.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.9	0.0	0.0	1.9	13.1	0.0	0.8	0.0	0.0	13.9	15.9
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	27.8	0.0	2.5	0.1	0.0	30.4	30.4
RP	1.07:	REMOTE SENSING	1.7	0.0	0.0	1.7	4.0	0.0	1.0	0.0	0.0	5.0	6.7
RP	1.08:	AQUATIC WEEDS	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.7
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	18.3	18.3	7.8	0.0	5.4	0.0	0.0	13.2	31.6
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	70.2	70.2	21.9	0.0	35.7	0.0	0.7	58.4	128.7
RP	2.03:	FOREST PROTECTION	0.0	0.0	79.5	79.5	15.1	0.0	4.1	0.0	0.0	19.2	98.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	21.4	21.4	13.5	0.0	32.7	0.0	1.2	47.4	68.9
RP	2.05:	FOREST WATERSHEDS; SOILS, POLLUTION	0.0	0.0	40.7	40.7	7.8	0.0	15.8	0.0	0.0	23.6	64.4
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	37.3	37.3	14.5	0.0	5.4	0.0	0.0	19.9	57.3
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	9.0	9.0	2.9	0.0	12.0	0.0	0.0	14.9	23.9
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	11.3	11.3	5.2	0.0	1.4	0.0	0.0	6.6	18.0
RP	2.09:	TECHNICAL ASSISTANCE	3.2	0.0	0.0	3.2	5.0	0.0	0.1	0.0	0.0	5.1	8.3
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.4	0.4
RP	3.01:	CORN	10.0	0.0	0.0	10.0	9.1	0.0	0.0	0.0	1.5	10.6	20.7
RP	3.02:	GRAIN SORGHUM	0.1	0.0	0.0	0.1	1.3	0.0	0.0	0.0	0.1	1.5	1.6
RP	3.03:	WHEAT	42.7	0.0	0.0	42.7	49.9	0.0	0.0	0.0	0.0	49.9	92.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	12.4	0.0	0.0	12.4	25.0	0.0	0.0	0.0	0.0	25.0	37.4
RP	3.05:	RICE	1.7	0.0	0.0	1.7	2.5	0.0	0.0	0.0	0.0	2.5	4.2
RP	3.06:	SOYBEANS	1.8	0.0	0.0	1.8	4.8	0.0	0.0	0.0	0.0	4.8	6.6
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.08:	SUGAR	12.0	0.0	0.0	12.0	6.3	0.0	0.0	0.0	0.0	6.3	18.3
RP	3.09:	FORAGE, RANGE, & PASTURE	75.6	0.0	0.0	75.6	80.5	0.0	0.3	0.0	0.0	80.8	156.5
RP	3.10:	COTTON	21.8	0.0	0.0	21.8	20.2	0.0	0.0	0.0	0.0	20.2	42.0
RP	3.11:	TOBACCO	1.0	0.0	0.0	1.0	1.8	0.0	0.0	0.0	0.0	1.8	2.9
RP	3.12:	NEW CROPS & MINOR OILSEEDS	10.7	0.0	0.0	10.7	33.8	0.0	0.2	0.0	0.0	34.0	44.7
RP	3.13:	FRUIT	75.2	0.0	0.0	75.2	133.5	0.0	0.0	0.0	2.1	135.6	210.8
RP	3.14:	VEGETABLE CROPS	55.6	0.0	0.0	55.6	124.7	0.0	0.0	0.0	0.5	125.2	180.8
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.4	0.0	0.0	1.4	39.8	0.0	0.0	0.0	0.0	39.8	41.2
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	10.4	0.0	0.0	10.4	7.5	0.0	0.0	0.0	0.0	7.5	18.0
RP	3.17:	WEEDS IN CROPS	1.8	0.0	0.0	1.8	1.9	0.0	0.0	0.0	0.0	1.9	3.8

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## WESTERN REGION

			+	USDA	+	+	OTHER INSTITUTIONS			+			
			ARS/HNIS	ERS/	FS	USDA	SAES	1890/	PRSTRY	VET	OTHR	TOTAL	GRAND
			/OICO	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	3.18:	SEEDS	1.8	0.0	0.0	1.8	11.7	0.0	0.0	0.0	0.0	11.7	13.5
RP	3.19:	NONSPECIFIC PLANTS	17.2	0.0	0.0	17.2	81.8	0.0	0.2	0.0	1.8	83.7	101.0
RP	4.01:	BEEF	19.8	0.0	0.0	19.8	79.0	0.0	0.0	90.3	0.0	139.3	159.0
RP	4.02:	DAIRY	10.8	0.0	0.0	10.8	44.3	0.0	0.0	22.7	0.0	97.0	77.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	24.4	0.0	0.0	0.5	0.3	25.2	25.2
RP	4.04:	SHEEP	15.8	0.0	0.0	15.8	29.5	0.0	0.0	19.0	0.0	45.9	51.5
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.5	0.3	8.1	8.1
RP	4.08:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.9	0.0	0.0	1.9	13.3	0.0	0.0	18.5	0.5	32.4	34.3
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	1.0	0.0	0.0	1.0	23.4	0.0	0.4	2.7	1.2	27.8	28.8
RP	4.08:	NONSPECIFIC ANIMALS	2.2	0.0	0.0	2.2	40.3	0.0	0.0	39.1	2.4	81.9	84.1
RP	4.09:	INVERTEBRATES	0.5	0.0	0.0	0.5	29.8	0.0	0.0	0.0	0.9	27.7	28.2
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	19.7	0.0	0.0	0.0	0.0	19.7	19.7
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	5.5	0.0	0.1	0.0	0.0	5.9	5.9
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	28.5	0.0	1.7	0.0	0.0	30.2	30.2
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	14.8	14.8
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	4.4	0.0	1.1	0.0	0.0	5.5	5.5
RP	9.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	23.0	23.0
RP	9.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	2.1	0.0	0.0	2.1	26.2	0.0	0.0	0.0	0.7	29.9	29.1
RP	9.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	33.4	0.0	0.0	0.0	9.3	39.7	39.7
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	9.9	0.0	0.0	9.9	97.7	0.0	0.5	0.0	0.0	98.3	78.2
RP	8.01:	HUMAN NUTRITION	23.1	0.0	0.0	23.1	38.2	0.0	0.0	2.0	0.2	40.4	93.5
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	10.4	10.4
RP	8.03:	FOOD SAFETY	8.3	0.0	0.0	8.3	28.4	0.0	0.0	0.5	0.0	28.9	37.2
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL			544.7	0.0	288.2	832.9	1527.0	0.0	127.8	185.4	21.2	1841.4	2074.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990							FOREIGN					
RESEARCH PROGRAM SUMMARY							FRANCE					
	+-----+ USDA +-----+				+-----+ OTHER INSTITUTIONS +-----+							
	ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL	
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP 3.03: WHEAT	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
RP 3.09: FORAGE, RANGE, & PASTURE	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
RP 3.13: FRUIT	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
RP 4.01: BEEF	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP 4.03: POULTRY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
GRAND TOTAL	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990							FOREIGN					
RESEARCH PROGRAM SUMMARY							ITALY					
							OTHER INSTITUTIONS					
							FRSTRY					
							VET					
							SCH					
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TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990								FOREIGN				
RESEARCH PROGRAM SUMMARY								MEXICO				
		+-----+ USOA		-----+		+-----+ OTHER INSTITUTIONS		-----+				
		ARS/HNIS	ERS/	USOA		1890/		FRSTRY	VET	GRAND		
		/OICO	ACS	FS	TOTAL	SAES	TUSK	SCH	SCH	OTHR	TOTAL	
RP 4.01: BEEF												
		7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0	
GRAND TOTAL		7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0	



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990											FOREIGN	
RESEARCH PROGRAM SUMMARY											NETHERLANDS	
	+-----+ USDA -----+				+-----+ OTHER INSTITUTIONS -----+							
	ARS/HNIS	ERS/		USDA	SAES	1890/	FRSTRY	VET			GRAND	
	/OICO	ACS	FS	TOTAL		TUSK	SCH	SCH	OTHR	TOTAL	TOTAL	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990							FOREIGN					
RESEARCH PROGRAM SUMMARY							SOUTH KOREA					
		+-----+ USDA +-----+				+-----+ OTHER INSTITUTIONS +-----+						GRAND TOTAL
		ARS/HNIS /OICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	2.03: FOREST PROTECTION	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.13: FRUIT	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
GRAND TOTAL		1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## CONNECTICUT

			+	USDA	+	+	+	OTHER INSTITUTIONS	+			GRAND
			ARS/HNIS	ERS/	USDA	CONN	CONN	FRSTRY	VET	OTHR	TOTAL	TOTAL
			/OICD	ACS	FS	N HAV	STORRS	SCH	SCH			
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.3	0.3
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	9.2	0.9	0.0	0.0	0.0	10.2	10.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	1.1	1.1
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.2	2.3	2.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	9.3	3.7	0.0	0.0	0.0	0.0	3.7	13.0
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.6	0.6
RP	3.03:	WHEAT	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.5	0.9	0.0	0.0	0.0	1.5	1.5
RP	3.11:	TOBACCO	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.3	0.3
RP	3.13:	FRUIT	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	5.7	0.5	0.0	0.0	0.0	6.2	6.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	3.9	3.2	0.0	0.0	0.0	7.1	7.1
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.4	0.4
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.3	3.3
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.5	2.2	2.2
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.08:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.7	1.4	0.0	0.0	0.0	2.1	2.1
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.4	1.1	0.0	0.0	0.0	1.5	1.5
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.1	1.0	1.0
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	1.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## CONNECTICUT

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	CONN N HAY	CONN STORRS	OTHER INSTITUTIONS FRSTRY SCH	YET SCH	OTHR	TOTAL	GRAND TOTAL
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	1.5	1.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	0.0	0.0	9.3	9.3	44.8	23.9	0.0	0.0	0.8	69.5	78.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## DELAWARE

			+	USDA		+	OTHER INSTITUTIONS				+		
			ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	1.02:	WATER & WATERSHEOS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	1.08:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.1	1.7	0.0	0.0	0.0	1.8	1.8
RP	2.03:	FOREST PROTECTION	2.2	0.0	0.0	2.2	0.8	0.0	0.0	0.0	0.0	0.8	3.0
RP	2.08:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.03:	WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08:	SOYBEANS	0.3	0.0	0.0	0.3	1.5	0.0	0.0	0.0	0.0	1.5	1.8
RP	3.09:	FORAGE, RANGE, & PASTURE	0.3	0.0	0.0	0.3	0.1	1.0	0.0	0.0	0.0	1.1	1.4
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.14:	VEGETABLE CROPS	1.1	0.0	0.0	1.1	3.2	1.8	0.0	0.0	0.0	5.0	6.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.2	0.0	0.0	0.0	1.3	1.3
RP	3.19:	NONSPECIFIC PLANTS	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.03:	POULTRY	8.4	0.0	0.0	8.4	8.4	0.0	0.0	0.0	0.0	8.4	12.8
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.09:	INVERTEBRATES	1.8	0.0	0.0	1.8	1.5	0.0	0.0	0.0	0.0	1.5	3.1
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.9	1.0	0.0	0.0	0.0	1.9	1.9
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.0	2.1	2.1
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL			12.8	0.0	0.0	12.8	34.4	5.7	0.0	0.0	1.0	41.1	53.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

DISTRICT OF COLUMBIA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RP 1.01: SDIL & LAND USE	0.0	24.2	0.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0	24.2
RP 1.02: WATER & WATERSHEDS	0.0	13.6	0.0	13.6	0.1	0.0	0.0	0.0	0.0	0.1	13.7
RP 1.03: RECREATION	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 1.06: FISH & WILDLIFE	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP 2.05: FOREST WATERSHEDS, SDILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	6.1	1.0	0.0	7.1	0.5	0.0	0.0	0.0	0.0	0.5	7.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	6.0	0.0	6.0	0.2	0.0	0.0	0.0	0.0	0.2	6.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	17.1	0.0	17.1	0.3	0.0	0.0	0.0	0.0	0.3	17.4
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	60.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	117.0	0.0	117.0	0.0	0.0	0.0	0.0	0.0	0.0	117.0
RP 6.03: MARKETING & COMPETITION	0.0	144.1	0.0	144.1	0.0	0.0	0.0	0.0	0.0	0.0	144.1
RP 7.02: TECHNOLOGY NOT ASSOCIATED WITH SPEC COMM RESOURCES OR ROPS	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 8.01: HUMAN NUTRITION	0.0	5.6	0.0	5.6	1.0	0.0	0.0	0.0	0.0	1.0	6.6
RP 8.03: FOOD SAFETY	0.0	2.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
GRAND TOTAL	8.0	395.0	0.0	403.0	3.3	0.0	0.0	0.0	0.0	3.3	406.3

REGION 1

## MAINE

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TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## MARYLAND

			+	USDA	+	+	OTHER INSTITUTIONS	+			GRAND		
			ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
			/OICO	ACS		TOTAL		TUSK	SCH	SCH			
RP	1.01:	SOIL & LAND USE	7.3	0.0	0.0	7.3	2.6	0.0	0.0	0.0	0.0	2.6	9.9
RP	1.02:	WATER & WATERSHEOS	4.5	0.0	0.0	4.5	1.4	0.0	0.0	0.0	0.0	1.4	6.0
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.04:	ENVIRONMENTAL QUALITY	25.2	0.0	0.0	25.2	2.8	0.0	0.0	0.0	0.0	2.8	28.0
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.07:	REMOTE SENSING	8.5	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	8.5
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	2.03:	FOREST PROTECTION	11.8	0.0	0.0	11.8	1.0	0.0	0.0	0.0	0.0	1.0	12.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.09:	TECHNICAL ASSISTANCE	1.6	0.0	0.0	1.6	0.7	0.0	0.0	0.0	0.0	0.7	2.3
RP	3.01:	CORN	4.3	0.0	0.0	4.3	1.0	0.0	0.0	0.0	0.0	1.0	5.4
RP	3.02:	GRAIN SORGHUM	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	3.03:	WHEAT	11.2	0.0	0.0	11.2	0.9	0.0	0.0	0.0	0.0	0.9	12.1
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	3.1	0.0	0.0	3.1	1.3	0.0	0.0	0.0	0.0	1.3	4.4
RP	3.05:	RICE	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9
RP	3.06:	SOYBEANS	22.7	0.0	0.0	22.7	2.8	4.0	0.0	0.0	2.2	9.0	31.7
RP	3.07:	PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08:	SUGAR	4.3	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
RP	3.09:	FORAGE, RANGE, & PASTURE	12.4	0.0	0.0	12.4	1.3	0.0	0.0	0.0	0.0	1.3	13.8
RP	3.10:	COTTON	2.1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
RP	3.11:	TOBACCO	4.0	0.0	0.0	4.0	1.3	0.0	0.0	0.0	0.0	1.3	5.4
RP	3.12:	NEW CROPS & MINOR OILSEEOs	0.1	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.4	0.5
RP	3.13:	FRUIT	19.9	0.0	0.0	19.9	4.2	0.0	0.0	0.0	0.0	4.2	24.1
RP	3.14:	VEGETABLE CROPS	54.4	0.0	0.0	54.4	4.6	0.0	0.0	0.0	0.3	5.0	59.4
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	17.8	0.0	0.0	17.8	3.6	0.0	0.0	0.0	0.0	3.6	21.4
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
RP	3.17:	WEEDS IN CROPS	9.5	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	9.5
RP	3.18:	SEEDS	2.5	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
RP	3.19:	NONSPECIFIC PLANTS	43.6	0.0	0.0	43.6	2.7	0.0	0.0	0.0	0.6	3.3	47.0
RP	4.01:	BEEF	10.0	0.0	0.0	10.0	2.0	0.1	0.0	0.0	0.0	2.2	12.2
RP	4.02:	DAIRY	24.8	0.0	0.0	24.8	5.8	0.6	0.0	0.0	0.0	6.5	31.3
RP	4.03:	POULTRY	17.2	0.0	0.0	17.2	7.2	0.0	0.0	0.0	0.9	8.1	25.3
RP	4.04:	SHEEP	5.2	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
RP	4.05:	SWINE	17.6	0.0	0.0	17.6	0.9	0.0	0.0	0.0	0.0	0.9	18.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990  
RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990							REGION 1					
RESEARCH PROGRAM SUMMARY							MARYLAND					
		+-----+ ARS/HNIS /OICO	USOA ERS/ ACS	+-----+ FS USOA TOTAL	+-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	+-----+ OTHR	TOTAL	GRAND TOTAL	
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	2.6
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.2	1.2
RP	4.08:	NONSPECIFIC ANIMALS	0.9	0.0	0.0	0.9	0.1	0.0	0.0	1.1	1.2	2.1
RP	4.09:	INVERTEBRATES	30.9	0.0	0.0	30.9	0.8	0.0	0.0	1.2	2.0	33.0
RP	5.01:	INDIVIDUALS AND FAMILIES	4.0	0.0	0.0	4.0	0.3	0.0	0.0	0.0	0.3	4.3
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.3	0.1	0.0	0.0	1.4	1.4
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.1	0.0	0.0	1.1	0.7	0.0	0.0	0.0	0.7	1.8
RP	6.03:	MARKETING & COMPETITION	0.3	0.0	0.0	0.3	2.0	0.1	0.0	0.0	2.1	2.5
RP	7.01:	MANMADE RESOURCES	4.8	0.0	0.0	4.8	1.0	0.0	0.0	0.0	1.0	5.8
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	22.7	0.0	0.0	22.7	1.5	0.0	0.0	1.0	2.5	25.2
RP	8.01:	HUMAN NUTRITION	38.4	0.0	0.0	38.4	0.8	0.8	0.0	0.0	1.4	39.8
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	8.03:	FOOD SAFETY	3.0	0.0	0.0	3.0	0.5	0.0	0.0	0.0	0.5	3.5
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL			462.9	0.0	0.0	462.9	64.9	7.1	0.0	7.3	79.3	542.2



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## MASSACHUSETTS

		+	USOA	+		+	OTHER INSTITUTIONS			+		
		ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICO	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.2	0.2	1.5	0.0	0.0	0.0	0.0	1.5	1.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.0	0.6	0.6
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.4	0.0	2.2	2.2
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	17.7	0.0	19.9	19.9
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.2	1.0	1.0
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.4	0.4	2.6	2.6
RP 8.01:	HUMAN NUTRITION	2.7	0.0	0.0	2.7	2.2	0.0	0.0	0.0	0.0	2.2	4.9
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## MASSACHUSETTS

	+-----+ ARS/HNIS /DICO	USDA ERS/ ACS	+-----+ FS TOTAL	+-----+ USDA TOTAL	+-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	+-----+ DTHR	TOTAL	GRAND TOTAL
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.9	3.6	3.6
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	2.7	0.0	3.0	5.7	48.5	0.0	0.0	21.0	2.3	69.8	75.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## NEW HAMPSHIRE

			-----+ ARS/HNIS /OICO	USOA ERS/ ACS	-----+ FS USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	-----+ OTHR TOTAL	GRAND TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	1.02:	WATER & WATERSHEOS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	5.9	5.9	1.4	0.0	0.0	0.0	1.4	7.4
RP	2.03:	FOREST PROTECTION	0.0	0.0	1.0	1.0	1.3	0.0	0.0	0.0	1.3	2.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	4.6	4.6	1.2	0.0	0.0	0.0	1.2	5.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	1.8	0.0	0.0	0.0	1.8	2.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7	1.7
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.4	0.4
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	4.08:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	1.5
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## NEW HAMPSHIRE

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	0.0	0.0	12.2	12.2	27.9	0.0	0.0	0.0	0.2	28.1	40.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## NEW JERSEY

			+	USOA	+	+	OTHER INSTITUTIONS	+				
			ARS/HNIS	ERS/	FS	USOA	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
			/OICD	ACS		TOTAL	TUSK	SCH	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	2.9	2.9
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	2.3
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	6.6	6.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5	2.5
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	1.1
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.13:	FRUIT	1.5	0.0	0.0	1.5	9.4	0.0	0.0	0.0	9.4	10.9
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	9.5	9.5
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	3.5	3.5
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP	3.17:	WEEEDS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	2.3
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.2	3.2
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.9	3.9
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 1

NEW JERSEY

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9	9.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	1.5	0.0	0.0	1.5	96.4	0.0	0.0	0.0	0.0	96.4	97.9

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990												REGION 1	
RESEARCH PROGRAM SUMMARY												NEW YORK	
			ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	NY ITHACA	NY GENEVA	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	1.7	0.0	0.0	1.7	6.6	0.0	0.1	0.0	0.0	6.7	8.5
RP	1.02:	WATER & WATERSHEOS	0.0	0.0	0.0	0.0	1.9	0.1	0.0	0.0	0.0	2.1	2.1
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.5	0.5
RP	1.04:	ENVIRONMENTAL QUALITY	0.5	0.0	0.0	0.5	6.7	0.1	19.7	1.0	0.0	27.7	28.3
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.2	0.0	0.0	1.5	1.5
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	7.9	0.0	1.7	1.5	0.0	11.2	11.2
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.8	0.0	18.7	0.0	0.0	20.5	20.5
RP	2.03:	FOREST PROTECTION	0.6	0.0	0.0	0.6	0.9	0.3	1.0	0.0	0.0	2.3	2.9
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.4	0.0	23.8	0.0	0.0	24.2	24.2
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.0	0.0	3.6	3.6
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.9	0.9
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.0	1.0	0.4	0.0	0.4	0.0	0.0	0.8	1.8
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	1.5
RP	3.01:	CORN	0.1	0.0	0.0	0.1	3.3	0.0	0.0	0.0	0.0	3.3	3.4
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.03:	WHEAT	2.8	0.0	0.0	2.8	1.5	0.1	0.0	0.0	0.0	1.7	4.5
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.6	0.0	0.0	0.6	3.8	0.3	0.0	0.0	0.0	4.2	4.8
RP	3.05:	RICE	0.2	0.0	0.0	0.2	0.5	0.4	0.0	0.0	0.0	0.9	1.1
RP	3.06:	SOYBEANS	2.0	0.0	0.0	2.0	1.2	0.0	0.0	0.0	0.0	1.2	3.2
RP	3.09:	FORAGE, RANGE, & PASTURE	1.9	0.0	0.0	1.9	3.6	0.0	0.0	0.0	0.0	3.6	5.6
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.4	0.6
RP	3.13:	FRUIT	1.5	0.0	0.0	1.5	4.1	24.2	0.0	0.0	0.0	28.3	29.9
RP	3.14:	VEGETABLE CROPS	1.6	0.0	0.0	1.6	22.5	14.4	0.0	0.0	0.0	37.0	38.7
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	4.9	0.8	0.0	0.0	0.0	5.7	5.8
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	1.0	2.2	0.0	0.0	0.0	3.2	3.2
RP	3.19:	NONSPECIFIC PLANTS	2.5	0.0	0.0	2.5	10.0	1.3	0.8	0.0	1.2	13.2	15.7
RP	4.01:	BEEF	10.7	0.0	0.0	10.7	3.8	0.0	0.0	1.9	0.0	5.7	16.5
RP	4.02:	DAIRY	8.7	0.0	0.0	8.7	12.2	0.0	0.0	4.7	0.0	16.9	25.6
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	6.9	0.0	0.0	3.6	0.0	10.5	10.5
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	1.6	0.0	0.0	3.4	0.0	5.0	5.0
RP	4.05:	SWINE	13.8	0.0	0.0	13.8	1.2	0.0	0.0	2.1	0.0	3.4	17.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 1

## NEW YORK

	+-----+ USOA		-----+ USOA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /OICO	ERS/ ACS	PS	TOTAL	NY ITHACA	NY GENEVA	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	2.4	0.0	0.0	2.4	1.8	0.0	0.0	20.2	0.0	21.8	24.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.0	0.0	0.2	0.1	0.0	1.3	1.3
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	9.8	0.5	13.0	13.0
RP 4.09: INVERTEBRATES	0.6	0.0	0.0	0.6	4.3	1.8	1.4	0.0	0.3	7.8	8.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	19.7	0.0	0.0	0.0	0.0	19.7	19.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	17.7	0.0	0.3	4.0	0.0	22.1	22.1
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	8.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	1.8	0.0	0.0	2.9	2.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.4	0.0	0.0	1.4	24.1	1.6	2.8	1.8	0.8	31.1	32.8
RP 8.01: HUMAN NUTRITION	3.1	0.0	0.0	3.1	15.8	0.0	0.0	0.0	0.0	15.8	18.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.0	0.0	3.8	3.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.7	3.2	0.0	1.3	0.0	5.2	5.2
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	58.1	0.0	1.0	59.1	228.5	52.4	80.1	56.0	2.8	419.8	478.9



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

PENNSYLVANIA

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	QTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	1.1	0.0	0.0	1.1	3.3	0.0	0.0	0.0	0.0	3.3	4.4
RP 1.02: WATER & WATERSHEDS	5.8	0.0	0.0	5.8	0.4	0.0	0.0	0.0	0.0	0.4	6.2
RP 1.04: ENVIRONMENTAL QUALITY	2.6	0.0	0.0	2.6	11.0	0.0	0.0	0.0	0.0	11.0	13.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.3	0.0	1.8	1.8
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.0	4.0	1.2	0.0	0.0	0.0	0.0	1.2	5.2
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	7.5	7.5	3.7	0.0	0.0	0.0	0.2	3.9	11.4
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.4	1.4	3.4	0.0	0.0	0.0	0.0	3.4	4.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.4	0.6
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.01: CORN	2.3	0.0	0.0	2.3	8.5	0.0	0.0	0.0	0.0	8.5	10.8
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	1.1	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	2.2
RP 3.06: SOYBEANS	5.1	0.0	0.0	5.1	0.1	0.0	0.0	0.0	0.0	0.1	5.2
RP 3.09: FORAGE, RANGE, & PASTURE	8.8	0.0	0.0	8.8	4.0	0.0	0.0	0.0	0.0	4.0	12.9
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.13: FRUIT	4.7	0.0	0.0	4.7	11.7	0.0	0.0	0.0	0.0	11.7	16.4
RP 3.14: VEGETABLE CROPS	10.6	0.0	0.0	10.6	6.9	0.0	0.0	0.0	0.0	6.9	17.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	7.6	7.6
RP 3.19: NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	4.7	0.0	0.0	0.0	0.4	5.1	6.3
RP 4.01: BEEF	8.5	0.0	0.0	8.5	0.8	0.0	0.0	0.7	0.0	1.5	10.0
RP 4.02: DAIRY	27.9	0.0	0.0	27.9	8.5	0.0	0.0	4.3	0.0	12.8	40.7
RP 4.03: POULTRY	5.9	0.0	0.0	5.9	11.3	0.0	0.0	0.8	0.2	12.4	18.4
RP 4.04: SHEEP	2.7	0.0	0.0	2.7	1.8	0.0	0.0	0.6	0.0	2.5	5.2
RP 4.05: SWINE	0.8	0.0	0.0	0.8	4.6	0.0	0.0	0.2	0.0	4.9	5.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.0	0.0	0.0	1.0	0.1	0.0	0.0	14.0	0.0	14.1	15.1
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.3	0.0	3.0	3.0
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.3	0.0	1.0	1.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	8.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

PENNSYLVANIA

		ARS/HNIS /OICO	USDA ERS/ ACS	USDA FS TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.8	0.0	0.0	1.6	0.0	0.0	0.8	0.0	2.4	5.0
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.3	3.2	3.2
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	8.03: FOOD SAFETY	24.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	25.9
RP	8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	8.05: FOOD SERVICE	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
GRAND TOTAL		117.1	0.0	13.1	151.5	0.0	0.0	23.8	1.1	176.2	308.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

RHODE ISLAND

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.02: WATER & WATERSHEOS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.05: FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.12: NEW CROPS & MINDR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
GRAND TOTAL	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	23.8	23.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990								REGION 1				
RESEARCH PROGRAM SUMMARY								VERMONT				
			+	-----+	USDA	-----+		+	-----+	OTHER INSTITUTIONS	-----+	
			ARS/HNIS	ERS/	FS	USDA		SAES	1890/	FRSTRY	VET	
			/OICO	ACS		TOTAL			TUSK	SCH	SCH	
												GRAND
												TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0		1.7	0.0	0.0	0.0	1.7
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0		0.2	0.0	0.0	0.0	0.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.9	0.9		0.0	0.0	1.1	0.0	2.0
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0		0.8	0.0	0.4	0.0	1.2
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.9	2.9		0.0	0.0	0.8	0.0	3.7
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.0	4.0		0.4	0.0	0.7	0.0	5.1
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0		0.0	0.0	0.6	0.0	0.6
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.0	3.0		0.0	0.0	0.0	0.0	3.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0		0.6	0.0	0.0	0.0	0.6
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0		1.3	0.0	0.0	0.0	1.3
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0		0.6	0.0	0.0	0.0	0.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0		0.6	0.0	0.0	0.0	0.6
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0		2.6	0.0	0.0	0.0	2.6
RP	4.01:	BEEF	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0		4.9	0.0	0.0	0.0	4.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0		0.3	0.0	0.0	0.0	0.3
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0		0.5	0.0	0.0	0.0	0.5
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0		0.2	0.0	0.0	0.0	0.2
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0		0.3	0.0	0.0	0.0	0.3
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0		0.4	0.0	0.0	0.0	0.4
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0		1.1	0.0	0.0	0.0	1.1
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0		0.0	0.0	0.6	0.0	0.6
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0		1.4	0.0	0.0	0.0	1.4
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0		0.3	0.0	0.0	0.0	0.3
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.1	0.1		0.9	0.0	0.0	0.0	1.0
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0		0.4	0.0	0.1	0.0	0.5
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0		0.9	0.0	0.0	0.0	0.9
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0		0.5	0.0	0.0	0.0	0.5
GRAND TOTAL			0.0	0.0	11.1	11.1		21.4	0.0	4.5	0.0	37.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 1

## RESEARCH PROGRAM SUMMARY

WEST VIRGINIA

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	3.9	0.0	0.0	3.9	4.1	0.0	0.0	0.0	0.0	4.1	8.0
RP 1.02:	WATER & WATERSHEDS	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.7
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.0	3.0	1.8	0.0	0.0	0.0	0.0	1.8	4.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	3.0	3.0	1.6	0.0	0.0	0.0	0.0	1.6	4.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	14.1	14.1	3.2	0.0	0.0	0.0	0.0	3.2	17.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.0	2.0	0.6	0.0	0.0	0.0	0.0	0.6	2.6
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09:	FORAGE, RANGE, & PASTURE	7.0	0.0	0.0	7.0	2.2	0.0	0.0	0.0	0.0	2.2	9.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.13:	FRUIT	18.0	0.0	0.0	18.0	4.2	0.0	0.0	0.0	0.0	4.2	22.2
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.6	2.9	2.9
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 4.04:	SHEEP	0.1	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	1.0	1.1
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 1

WEST VIRGINIA

	+-----+ ARS/HNIS /OICD	USDA ERS/ ACS	+-----+ FS	USDA TOTAL	+-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	+-----+ TOTAL	GRAND TOTAL
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	31.8	0.0	22.1	53.9	38.9	0.0	0.0	0.0	0.6	39.5	93.4

REGION 2

## ALABAMA

184

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

## ALABAMA

			+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS				-----+		
			ARS/HNIS /OICO	ERS/ ACS	FS	TOTAL	SAES	ALABAM TUSKEG	ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.1	0.0	0.0	0.1	9.2	0.0	0.0	0.6	0.0	9.8	9.9
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.0	1.0	1.0
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	1.0	1.0
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.5	1.0	0.4	0.0	0.0	3.9	3.9
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.9	0.0	0.3	0.0	0.0	4.2	4.2
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.8	0.0	1.9	0.0	0.0	2.7	2.7
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.2	0.0	0.2	0.0	0.0	3.4	3.4
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.4	0.6	0.4	0.0	0.0	3.4	3.4
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.3	0.0	0.3	0.0	0.0	1.7	1.7
GRAND TOTAL			17.1	0.0	6.7	23.8	124.0	7.5	11.6	17.1	0.0	160.2	184.0



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## ARKANSAS

			+-----+ USOA		+-----+ USOA	+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		GRAND TOTAL
			ARS/HNIS /OICO	ERS/ ACS	FS	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	6.0	5.3	0.0	0.0	0.0	0.0	5.3	11.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	3.01:	CORN	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	3.03:	WHEAT	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.05:	RICE	1.8	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	8.8
RP	3.06:	SOYBEANS	0.1	0.0	0.0	11.3	0.0	0.0	0.0	0.0	11.3	11.5
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.09:	FORAGE, RANGE, & PASTURE	2.1	0.0	0.0	2.1	1.0	0.0	0.0	0.0	3.1	5.3
RP	3.10:	COTTON	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	7.6	7.6
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.1	1.8	0.0	0.0	0.0	1.9	1.9
RP	3.13:	FRUIT	1.5	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	5.1
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.2
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	4.01:	BEEF	1.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	8.2
RP	4.02:	DAIRY	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	4.03:	POULTRY	0.0	0.0	0.0	8.5	1.2	0.0	0.0	0.0	9.7	9.7
RP	4.04:	SHEEP	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.4
RP	4.05:	SWINE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	3.3	3.3
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

## ARKANSAS

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	DTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.7	0.0	0.0	0.0	1.6	1.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.9	1.9
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.7	0.4	0.0	0.0	0.0	5.1	5.1
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.4	0.7	0.0	0.0	0.0	3.1	3.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
GRAND TOTAL	7.0	0.0	6.0	13.0	116.9	9.4	0.0	0.0	0.0	126.3	139.3

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## FLORIDA

			ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.1	0.0	0.0	0.1	10.3	1.0	0.0	0.0	0.0	11.3	11.4
RP	1.02:	WATER & WATERSHEOS	7.0	0.0	0.0	7.0	9.5	3.0	0.0	0.0	0.0	12.5	19.5
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	14.5	14.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.4	0.0	0.0	0.4	2.8	0.0	0.0	0.0	0.0	2.8	3.2
RP	1.06:	FISH & WILOLIFE	0.0	0.0	0.0	0.0	7.2	1.0	0.0	0.7	0.0	8.9	8.9
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	1.08:	AQUATIC WEEOS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	2.9	2.9	12.8	0.0	0.0	0.0	0.0	12.8	15.8
RP	2.03:	FOREST PROTECTION	0.0	0.0	3.3	3.3	4.8	0.0	0.0	0.0	0.0	4.8	7.9
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	1.3	1.3	2.7	0.0	0.0	0.0	0.0	2.7	4.1
RP	2.06:	FOREST RANGE WILOLIFE & FISHERIES HABITAT OEWLPMENT	0.0	0.0	1.0	1.0	5.5	0.0	0.0	0.0	0.0	5.5	6.5
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.01:	CORN	3.7	0.0	0.0	3.7	4.3	0.0	0.0	0.0	0.0	4.3	8.0
RP	3.02:	GRAIN SORGHUM	0.8	0.0	0.0	0.8	0.5	0.0	0.0	0.0	0.0	0.5	1.3
RP	3.03:	WHEAT	2.0	0.0	0.0	2.0	1.9	0.0	0.0	0.0	0.0	1.9	3.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	1.3	0.0	0.0	0.0	0.0	1.3	1.4
RP	3.05:	RICE	0.5	0.0	0.0	0.5	2.8	0.0	0.0	0.0	0.0	2.8	3.3
RP	3.06:	SOYBEANS	1.9	0.0	0.0	1.9	4.2	0.0	0.0	0.0	0.0	4.2	6.1
RP	3.07:	PEANUTS	0.8	0.0	0.0	0.8	4.3	0.7	0.0	0.0	0.0	5.1	6.0
RP	3.08:	SUGAR	4.1	0.0	0.0	4.1	3.1	0.0	0.0	0.0	0.0	3.1	7.2
RP	3.09:	FORAGE, RANGE, & PASTURE	4.9	0.0	0.0	4.9	23.9	0.0	0.0	0.0	0.0	23.9	28.8
RP	3.10:	COTTON	2.0	0.0	0.0	2.0	0.1	0.0	0.0	0.0	0.0	0.1	2.1
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.2	0.0	0.0	1.2	2.9	0.0	0.0	0.0	0.0	2.9	4.2
RP	3.13:	FRUIT	45.7	0.0	0.0	45.7	70.3	0.0	0.0	0.0	0.0	70.3	116.1
RP	3.14:	VEGETABLE CROPS	5.3	0.0	0.0	5.3	56.0	1.0	0.0	0.0	0.0	57.0	62.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	27.4	0.0	0.0	0.0	0.0	27.4	27.6
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.17:	WEEOS IN CROPS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.19:	NONSPECIFIC PLANTS	5.0	0.0	0.0	5.0	9.3	0.0	0.0	0.0	2.6	11.9	17.0
RP	4.01:	BEEF	5.8	0.0	0.0	5.8	22.3	1.0	0.0	1.7	0.1	25.1	30.8
RP	4.02:	DAIRY	1.2	0.0	0.0	1.2	10.8	0.0	0.0	0.7	0.0	11.4	12.7
RP	4.03:	POULTRY	0.8	0.0	0.0	0.8	7.2	0.0	0.0	0.2	0.0	7.4	8.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## FLORIDA

			+	USDA	+	OTHER INSTITUTIONS				+			
			ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.1	0.0	1.3	1.3
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	8.7	1.0	0.0	1.2	0.0	10.9	10.9
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	3.2	0.7	0.0	8.7	0.0	10.6	10.6
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.7	0.4	0.0	0.0	0.0	3.1	3.1
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	1.9	0.0	4.5	4.5
RP	4.09:	INVERTEBRATES	2.3	0.0	0.0	2.3	9.2	0.0	0.0	0.0	1.0	10.2	12.5
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.5	0.0	0.0	0.5	6.7	0.7	0.0	0.0	0.0	7.4	8.0
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	18.5	0.0	0.0	18.5	1.2	0.0	0.0	0.0	0.0	1.2	19.7
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	8.1	8.1
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	4.2	0.0	0.0	4.2	8.3	0.0	0.0	0.0	0.1	8.4	12.7
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	8.9	0.2	0.0	0.0	0.0	9.1	9.1
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
GRAND TOTAL			119.6	0.0	8.8	128.2	412.8	10.8	0.0	13.5	3.8	440.7	568.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 2

GEORGIA

			ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	2.6	0.0	0.0	2.6	4.7	0.0	0.0	0.0	0.0	4.8	7.5
RP	1.02:	WATER & WATERSHEDS	7.1	0.0	0.0	7.1	3.0	0.0	0.0	0.0	0.0	3.0	10.2
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.04:	ENVIRONMENTAL QUALITY	2.4	0.0	0.0	2.4	4.3	0.0	0.0	2.6	0.0	6.9	9.3
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.1	0.0	1.8	1.9	1.8	0.1	0.0	0.0	0.0	1.8	3.8
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	9.9	9.9	3.0	0.0	0.0	0.0	0.0	3.0	13.0
RP	2.03:	FOREST PROTECTION	0.0	0.0	14.2	14.2	0.4	0.0	0.0	0.0	0.0	0.4	14.7
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	7.0	7.0	4.3	0.0	0.0	0.0	0.0	4.3	11.3
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	3.7	3.7	0.9	0.0	0.0	0.0	0.0	0.9	4.7
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.09:	TECHNICAL ASSISTANCE	0.8	0.0	0.0	0.8	0.6	0.0	0.0	0.0	0.0	0.6	1.4
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	17.6	0.0	0.0	17.6	2.3	0.0	0.0	0.0	0.0	2.3	19.9
RP	3.02:	GRAIN SORGHUM	1.8	0.0	0.0	1.8	3.4	0.0	0.0	0.0	0.0	3.4	5.3
RP	3.03:	WHEAT	7.6	0.0	0.0	7.6	6.7	0.0	0.0	0.0	0.0	6.7	14.4
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.5	0.0	0.0	0.5	1.1	0.0	0.0	0.0	0.0	1.1	1.6
RP	3.05:	RICE	0.8	0.0	0.0	0.8	0.1	0.0	0.0	0.0	0.0	0.1	0.9
RP	3.06:	SOYBEANS	2.4	0.0	0.0	2.4	6.7	0.1	0.0	0.0	0.0	6.8	9.2
RP	3.07:	PEANUTS	13.9	0.0	0.0	13.9	8.8	0.0	0.0	0.0	0.0	8.8	22.7
RP	3.09:	FORAGE, RANGE, & PASTURE	13.7	0.0	0.0	13.7	8.1	0.0	0.0	0.0	0.0	8.1	21.8
RP	3.10:	COTTON	3.6	0.0	0.0	3.6	2.9	0.0	0.0	0.0	0.0	2.9	6.5
RP	3.11:	TOBACCO	6.9	0.0	0.0	6.9	2.4	0.0	0.0	0.0	0.0	2.4	9.3
RP	3.12:	NEW CROPS & MINOR OILSEEDS	1.1	0.0	0.0	1.1	0.6	0.0	0.0	0.0	0.0	0.6	1.7
RP	3.13:	FRUIT	20.9	0.0	0.0	20.9	11.7	0.5	0.0	0.0	0.0	12.3	33.2
RP	3.14:	VEGETABLE CROPS	7.6	0.0	0.0	7.6	15.4	2.9	0.0	0.0	0.0	18.3	26.0
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.4	0.0	0.0	0.4	6.9	0.3	0.0	0.0	0.0	7.2	7.6
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.19:	NONSPECIFIC PLANTS	2.6	0.0	0.0	2.6	9.4	0.0	0.0	0.0	0.1	9.5	12.1
RP	4.01:	BEEF	0.9	0.0	0.0	0.9	8.0	0.0	0.0	0.8	0.0	8.8	9.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	5.7	0.0	0.0	2.2	0.0	7.9	7.9

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## GEORGIA

	+-----+ USOA		+-----+ USOA		+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		+-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /OICD	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.03: POULTRY	14.3	0.0	0.0	14.3	10.9	0.0	0.0	15.2	0.0	26.1	40.4
RP 4.04: SHEEP	1.0	0.0	0.0	1.0	0.4	0.0	0.0	0.9	0.0	1.3	2.3
RP 4.05: SWINE	5.5	0.0	0.0	5.5	4.8	0.0	0.0	3.8	0.0	8.6	14.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.1	0.0	0.0	0.1	0.0	1.7	0.0	3.5	0.0	5.2	5.3
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.4	0.0	2.6	2.6
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.2	0.0	1.9	1.9
RP 4.09: INVERTEBRATES	1.0	0.0	0.0	1.0	1.7	0.0	0.0	0.0	0.0	1.7	2.7
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.9	0.5	0.0	0.0	0.0	1.5	1.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.8	0.1	0.0	0.0	0.0	0.9	0.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.0	0.4	0.0	0.1	0.0	2.6	2.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.8	0.8	0.0	0.0	0.0	5.6	5.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	7.8	0.8	0.0	0.0	0.0	8.6	8.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.1	0.0	0.0	2.1	2.5	0.0	0.0	1.1	0.0	3.7	5.8
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.1	0.0	0.0	0.0	2.5	2.5
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.9	0.9
RP 8.03: FOOD SAFETY	24.7	0.0	0.0	24.7	8.2	0.0	0.0	0.0	0.0	8.2	30.9
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	1.5	0.0	0.0	1.5	0.2	0.0	0.0	0.0	0.0	0.2	1.7
GRAND TOTAL	166.5	0.0	38.1	204.6	178.6	9.4	0.0	34.4	0.1	222.5	427.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## KENTUCKY

			USDA		+-----+		OTHER INSTITUTIONS				+-----+		GRAND TOTAL
			ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	4.2	0.5	0.0	0.0	0.0	4.7	4.7
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.3
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	3.8	0.5	0.0	0.0	0.0	4.3	4.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.1	4.1	2.6	0.0	0.0	0.0	0.0	2.6	6.7
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.01:	CORN	0.0	0.0	0.0	0.0	2.6	1.0	0.0	0.0	0.0	3.6	3.6
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	7.0	7.0
RP	3.09:	FORAGE, RANGE, & PASTURE	2.0	0.0	0.0	2.0	8.4	0.5	0.0	0.0	0.0	8.9	10.9
RP	3.11:	TOBACCO	6.0	0.0	0.0	6.0	9.0	0.0	0.0	0.0	0.0	9.0	15.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9	8.9
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.1	3.8	3.8
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.3	9.3
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	11.4	11.4
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.8	0.8
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.0	2.3	2.3
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	2.1	2.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

	REGION 2										
	KENTUCKY										
	-----+ ARS/HNIS /DICO	USOA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1880/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0	0.0	0.9	0.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.8	1.0	0.0	0.0	0.0	3.8	3.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.5	7.9	7.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.2	0.1	0.0	0.0	0.0	1.3	1.3
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	8.0	0.0	4.1	12.1	126.9	8.1	0.0	0.0	1.7	136.7	148.8



TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## LOUISIANA

		-----+ ARS/HNIS /OICO	USOA ERS/ ACS	-----+ FS USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.7	0.0	0.0	0.7	4.8	0.0	0.0	0.0	4.8	5.6
RP 1.02:	WATER & WATERSHEDS	1.7	0.0	0.7	2.5	0.5	0.0	0.0	0.0	0.5	3.0
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP 1.04:	ENVIRONMENTAL QUALITY	3.6	0.0	0.0	3.6	1.7	0.0	0.0	0.0	1.7	5.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	2.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.8	0.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	8.4	8.4	3.7	0.0	1.6	0.0	5.3	13.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	4.7	4.7	1.7	0.0	0.5	0.0	2.2	6.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	8.4	8.4	2.2	0.0	0.4	0.0	2.6	11.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.4	0.4	1.2	0.0	0.0	0.0	1.2	1.6
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.2	0.2	1.9	0.0	0.0	0.0	1.9	2.1
RP 2.09:	TECHNICAL ASSISTANCE	1.4	0.0	0.0	1.4	0.3	0.0	0.0	0.0	0.3	1.8
RP 3.01:	CORN	0.6	0.0	0.0	0.6	3.1	0.0	0.0	0.0	3.1	3.7
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7	2.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP 3.05:	RICE	2.9	0.0	0.0	2.9	15.6	0.0	0.0	0.0	15.6	18.5
RP 3.06:	SOYBEANS	10.1	0.0	0.0	10.1	12.5	0.0	0.0	0.0	12.5	22.6
RP 3.07:	PEANUTS	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
RP 3.08:	SUGAR	8.0	0.0	0.0	8.0	9.7	0.0	0.0	0.0	9.7	17.7
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.4	0.4	12.4	0.0	0.0	0.0	12.4	12.8
RP 3.10:	COTTON	49.2	0.0	0.0	49.2	13.6	0.0	0.0	0.0	13.6	62.8
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 3.13:	FRUIT	0.5	0.0	0.0	0.5	8.7	0.8	0.0	0.0	9.5	10.0
RP 3.14:	VEGETABLE CROPS	0.5	0.0	0.0	0.5	15.8	0.6	0.0	0.0	16.4	16.9
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	5.4	5.4
RP 3.16:	BEEES & OTHER POLLINATING INSECTS	8.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 3.19:	NONSPECIFIC PLANTS	6.0	0.0	0.0	6.0	1.5	0.0	0.0	0.0	1.5	7.5
RP 4.01:	BEEF	3.1	0.0	0.0	3.1	16.7	0.0	0.0	0.0	16.7	19.9
RP 4.02:	DAIRY	2.4	0.0	0.0	2.4	12.8	0.0	0.0	0.1	13.0	15.4
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.5	2.5
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## LOUISIANA

	+	USDA	+	+	+	OTHER INSTITUTIONS	+				GRAND
	ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
	/DICO	ACS		TOTAL		TUSK	SCH	SCH			
RP 4.05: SWINE	0.0	0.0	0.0	0.0	1.3	0.6	0.0	0.0	0.0	2.0	2.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	3.0	0.7	0.0	0.1	0.3	4.2	4.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	5.4	0.0	0.0	5.4	9.2	0.0	0.0	0.0	0.0	9.2	14.6
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.3	2.2	2.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.1	0.6	0.0	0.0	0.0	2.7	2.7
RP 6.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	7.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.2	1.3	0.0	0.0	0.0	5.5	5.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	1.0	4.2	4.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.9	0.0	0.0	0.0	3.7	3.7
RP 8.03: FOOD SAFETY	12.5	0.0	0.0	12.5	0.3	0.0	0.0	0.0	0.0	0.3	12.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	120.0	0.0	23.3	143.3	203.9	5.5	2.8	0.5	1.6	214.3	357.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 2												
MISSISSIPPI												
		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	8.3	0.0	0.0	8.3	8.2	0.0	0.0	0.0	0.0	8.2	14.5
RP 1.02:	WATER & WATERSHEDS	9.6	0.0	0.0	9.6	0.8	0.0	0.0	0.0	0.0	0.8	10.4
RP 1.04:	ENVIRONMENTAL QUALITY	4.8	0.0	0.0	4.8	5.6	0.4	0.0	0.0	0.0	6.0	10.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.8	0.0	0.0	1.8	0.1	0.0	0.0	0.0	0.0	0.1	1.9
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	5.4	5.4	3.6	0.0	0.0	0.0	0.0	3.6	9.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	8.5	8.5	4.5	0.0	0.0	0.0	0.0	4.5	13.0
RP 2.03:	FOREST PROTECTION	0.0	0.0	7.5	7.5	1.9	0.0	0.0	0.0	0.0	1.9	9.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	20.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.9	4.9	0.1	0.0	0.0	0.0	0.0	0.1	5.0
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.09:	TECHNICAL ASSISTANCE	4.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.2
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
RP 3.01:	CORN	5.4	0.0	0.0	5.4	1.1	0.0	0.0	0.0	0.0	1.1	6.5
RP 3.02:	GRAIN SORGHUM	0.4	0.0	0.0	0.4	6.9	0.0	0.0	0.0	0.0	6.9	7.3
RP 3.03:	WHEAT	0.7	0.0	0.0	0.7	1.4	0.0	0.0	0.0	0.0	1.4	2.1
RP 3.05:	RICE	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 3.06:	SOYBEANS	13.1	0.0	0.0	13.1	12.0	0.5	0.0	0.0	0.0	12.5	25.6
RP 3.09:	FORAGE, RANGE, & PASTURE	9.6	0.0	0.0	9.6	5.9	0.3	0.0	0.0	0.0	6.2	15.8
RP 3.10:	COTTON	45.9	0.0	0.0	45.9	18.5	0.0	0.0	0.0	0.0	18.5	64.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.8
RP 3.13:	FRUIT	5.1	0.0	0.0	5.1	5.9	1.2	0.0	0.0	0.0	7.1	12.2
RP 3.14:	VEGETABLE CROPS	0.7	0.0	0.0	0.7	5.8	0.7	0.0	0.0	0.0	6.5	7.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 3.19:	NONSPECIFIC PLANTS	0.2	0.0	0.0	0.2	4.4	0.0	0.0	0.0	0.0	4.4	4.6
RP 4.01:	BEEF	0.2	0.0	0.0	0.2	8.7	0.3	0.0	0.0	0.0	9.0	9.2
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	8.7	0.4	0.0	0.0	0.0	9.1	9.1
RP 4.03:	POULTRY	4.0	0.0	0.0	4.0	9.1	1.1	0.0	0.0	0.0	10.2	14.2
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	2.0	0.0	0.0	2.0	17.4	0.0	0.0	0.0	0.4	17.8	19.8
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## MISSISSIPPI

			-----+ ARS/HNIS /OICO	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.1	0.9	0.0	0.0	0.0	1.0	1.0
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.6	0.0	0.0	0.0	1.9	1.9
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.1	0.3	0.0	0.0	0.0	4.4	4.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.9	0.2	0.0	0.0	0.0	1.2	1.2
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.3	0.7	0.0	0.0	0.0	5.0	5.0
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL			114.8	0.0	31.3	146.1	192.7	8.1	0.0	0.0	1.4	202.2	348.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

NORTH CAROLINA

			+	USDA	+	+	OTHER INSTITUTIONS	+			GRAND		
			ARS/HNIS /OICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	8.4	1.4	0.0	0.0	0.0	7.8	7.8
RP	1.02:	WATER & WATERSHEOS	0.0	0.0	0.0	0.0	1.9	0.3	0.0	0.0	0.0	2.3	2.3
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	6.0	0.0	0.0	6.0	6.5	0.0	0.0	0.0	0.0	6.5	12.5
RP	1.05:	WEATHER MOOIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	1.06:	FISH & WILOLIFE	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	11.4	11.4	0.6	0.0	0.0	0.0	0.0	0.6	12.0
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	8.2	8.2	17.6	0.0	0.0	0.0	0.0	17.6	25.8
RP	2.03:	FOREST PROTECTION	0.0	0.0	1.7	1.7	3.3	0.0	0.0	0.0	0.0	3.3	5.0
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.0	2.0	9.9	0.0	0.0	0.0	0.0	9.9	11.9
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	3.4	3.4	4.3	0.0	0.0	0.0	0.0	4.3	7.8
RP	2.06:	FOREST RANGE WILOLIFE & FISHERIES HABITAT OEOVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.0	1.0	1.5	0.0	0.0	0.0	0.0	1.5	2.5
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	3.7	0.0	0.0	3.7	8.7	0.0	0.0	0.0	0.0	8.8	12.5
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.03:	WHEAT	0.8	0.0	0.0	0.8	1.0	0.0	0.0	0.0	0.0	1.0	1.9
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.6	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.4	1.1
RP	3.05:	RICE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.06:	SOYBEANS	7.3	0.0	0.0	7.3	8.8	1.0	0.0	0.0	0.0	7.9	15.3
RP	3.07:	PEANUTS	3.2	0.0	0.0	3.2	5.1	0.0	0.0	0.0	0.0	5.1	8.3
RP	3.09:	FORAGE, RANGE, & PASTURE	1.4	0.0	0.0	1.4	2.9	0.0	0.0	0.0	0.0	2.9	4.3
RP	3.10:	COTTON	0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.0	2.0	2.3
RP	3.11:	TOBACCO	12.2	0.0	0.0	12.2	17.1	0.0	0.0	0.0	0.0	17.1	29.3
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.13:	FRUIT	0.6	0.0	0.0	0.6	12.3	0.0	0.0	0.0	0.0	12.3	12.9
RP	3.14:	VEGETABLE CROPS	4.0	0.0	0.0	4.0	14.0	0.3	0.0	0.0	0.0	14.3	18.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.17:	WEEOS IN CROPS	0.9	0.0	0.0	0.9	1.2	0.0	0.0	0.0	0.0	1.2	2.1
RP	3.18:	SEEOES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.19:	NONSPECIFIC PLANTS	0.4	0.0	0.0	0.4	6.6	0.0	0.0	0.0	0.2	6.8	7.2
RP	4.01:	BEEF	0.3	0.0	0.0	0.3	5.3	0.5	0.0	0.0	0.0	5.8	6.1
RP	4.02:	DAIRY	0.2	0.0	0.0	0.2	7.0	0.0	0.0	0.0	0.0	7.0	7.2

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

NORTH CAROLINA

	+	-----	USDA	-----	+	+	-----	OTHER INSTITUTIONS	-----	+		
	ARS/HNIS		ERS/		USDA		1890/	FRSTRY				GRAND
	/OICD		ACS	FS	TOTAL	SAES	TUSK	SCH	VET	OTHR	TOTAL	TOTAL
RP 4.03: POULTRY	0.0		0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	14.2	14.2
RP 4.04: SHEEP	0.0		0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.05: SWINE	0.0		0.0	0.0	0.0	7.1	1.5	0.0	0.0	0.2	8.8	8.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0		0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0		0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 4.08: NONSPECIFIC ANIMALS	0.0		0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.0	4.6	4.6
RP 4.09: INVERTEBRATES	0.0		0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0		0.0	0.0	0.0	3.0	1.2	0.0	0.0	0.0	4.2	4.2
RP 5.02: LIVING ENVIRONMENT	0.0		0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.0	1.0	1.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0		0.0	0.0	0.0	2.2	1.8	0.0	0.0	0.0	4.0	4.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0		0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0		0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0		0.0	0.0	0.0	4.7	0.8	0.0	0.0	0.0	5.5	5.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0		0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	7.7	7.7
RP 6.03: MARKETING & COMPETITION	0.0		0.0	0.0	0.0	3.0	0.8	0.0	0.0	0.0	3.9	3.9
RP 7.01: MANMADE RESOURCES	0.0		0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	3.7		0.0	0.0	3.7	14.7	0.0	0.0	0.0	0.0	14.7	18.4
RP 8.01: HUMAN NUTRITION	0.0		0.0	0.0	0.0	2.8	0.7	0.0	0.0	0.0	3.5	3.5
RP 8.02: FOOD PROCESSING	0.0		0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.03: FOOD SAFETY	0.0		0.0	0.0	0.0	3.4	1.2	0.0	0.0	0.0	4.6	4.6
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0		0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	46.0		0.0	27.9	73.9	242.0	12.1	0.0	0.0	1.4	255.5	329.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## OKLAHOMA

			USDA	USDA				OTHER INSTITUTIONS				GRAND
			ARS/HNIS	ERS/	FS	TOTAL	SAES	1890/	FRSTRY	VET	OTHR	TOTAL
			/OICD	ACS				TUSK	SCH	SCH		
RP 1.01:	SOIL & LAND USE		3.4	0.0	0.0	3.4	4.7	0.1	0.0	0.0	0.0	4.8
RP 1.02:	WATER & WATERSHEDS		7.5	0.0	0.0	7.5	4.1	0.0	0.0	0.0	0.0	4.1
RP 1.03:	RECREATION		0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1
RP 1.04:	ENVIRONMENTAL QUALITY		4.9	0.0	0.0	4.9	2.3	0.0	0.0	0.0	0.0	2.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY		0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2
RP 1.06:	FISH & WILDLIFE		0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
RP 1.07:	REMOTE SENSING		0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES		0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8
RP 2.02:	TIMBER MANAGEMENT		0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS		0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION		0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7
RP 2.09:	TECHNICAL ASSISTANCE		0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7
RP 3.02:	GRAIN SORGHUM		0.7	0.0	0.0	0.7	1.8	0.1	0.0	0.0	0.0	1.9
RP 3.03:	WHEAT		6.6	0.0	0.0	6.6	11.6	0.1	0.0	0.0	0.0	11.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT		1.7	0.0	0.0	1.7	0.1	0.0	0.0	0.0	0.0	0.1
RP 3.06:	SOYBEANS		0.0	0.0	0.0	0.0	1.9	1.1	0.0	0.0	0.0	3.0
RP 3.07:	PEANUTS		3.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0	0.0	1.0
RP 3.09:	PDRAGE, RANGE, & PASTURE		6.8	0.0	0.0	6.8	8.5	0.1	0.0	0.0	0.0	8.6
RP 3.10:	COTTON		0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4
RP 3.12:	NEW CROPS & MINOR CROPS		1.0	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.3
RP 3.13:	FRUIT		1.2	0.0	0.0	1.2	3.3	0.0	0.0	0.0	0.0	3.3
RP 3.14:	VEGETABLE CROPS		4.0	0.0	0.0	4.0	8.4	0.0	0.0	0.0	0.0	8.4
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
RP 3.19:	NONSPECIFIC PLANTS		0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.3	4.7
RP 4.01:	BEEF		5.0	0.0	0.0	5.0	15.6	0.0	0.0	0.0	0.0	15.6
RP 4.02:	DAIRY		0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1
RP 4.03:	POULTRY		0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
RP 4.04:	SHEEP		1.3	0.0	0.0	1.3	2.7	0.0	0.0	0.0	0.0	2.7
RP 4.05:	SWINE		0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)		0.0	0.0	0.0	0.0	3.2	2.5	0.0	0.0	0.0	5.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS		2.5	0.0	0.0	2.5	0.0	1.0	0.0	0.0	0.0	1.0
RP 4.08:	NONSPECIFIC ANIMALS		0.3	0.0	0.0	0.3	1.1	0.0	0.0	0.0	0.0	1.1
RP 4.09:	INVERTEBRATES		0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4
RP 5.01:	INDIVIDUALS AND FAMILIES		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
RP 5.02:	LIVING ENVIRONMENT		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES		0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## OKLAHOMA

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.03: FOOD SAFETY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
GRAND TOTAL	51.3	0.0	0.0	51.3	120.3	5.0	0.0	0.0	0.3	125.6	176.9



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## PUERTO RICO

		ARS/HNIS /DICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	OTHER INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	2.2	0.0	0.0	2.2	1.1	0.0	0.0	0.0	0.0	1.1	3.3
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.6	0.9
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP	3.01: CORN	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	3.02: GRAIN SORGHUM	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.05: RICE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.06: SOYBEANS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.07: PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.08: SUGAR	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1	9.1
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.9	0.0	0.0	0.9	3.9	0.0	0.0	0.0	0.0	3.9	4.8
RP	3.13: FRUIT	0.7	0.0	0.0	0.7	12.1	0.0	0.0	0.0	0.0	12.1	12.8
RP	3.14: VEGETABLE CROPS	1.5	0.0	0.0	1.5	11.7	0.0	0.0	0.0	0.0	11.7	13.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.01: BEEF	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	6.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	6.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	6.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL		8.9	0.0	4.4	11.3	58.3	0.0	0.0	0.0	0.0	58.3	69.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## SOUTH CAROLINA

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	1.5	0.0	0.0	1.5	2.5	0.0	0.0	0.0	0.0	2.5	4.0
RP	1.02: WATER & WATERSHEDS	3.1	0.0	0.0	3.1	1.3	0.0	0.0	0.0	0.0	1.3	4.4
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	4.8	4.8	0.0	0.0	5.5	0.0	0.0	5.5	10.3
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	2.8
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.8
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.1	3.1	0.0	0.0	0.7	0.0	0.0	0.7	3.8
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
RP	3.01: CORN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.03: WHEAT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.06: SOYBEANS	1.0	0.0	0.0	1.0	8.1	0.0	0.0	0.0	0.0	8.1	9.2
RP	3.07: PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	3.10: COTTON	10.9	0.0	0.0	10.9	3.4	0.0	0.0	0.0	0.0	3.4	14.4
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	8.6
RP	3.14: VEGETABLE CROPS	10.9	0.0	0.0	10.9	8.3	1.0	0.0	0.0	0.0	9.3	20.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP	3.17: WEEOS IN CROPS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.19: NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	16.7	0.0	0.0	0.0	0.0	16.7	17.8
RP	4.01: BEEF	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.05: SWINE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## SOUTH CAROLINA

	-----+ ARS/HNIS /DICO	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 4.08: INVERTEBRATES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	1.1	1.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.1	3.2	0.0	0.0	0.0	5.3	5.3
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.7	1.8	0.0	0.0	0.0	2.5	2.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.03: MARKETING & COMPETITION	0.4	0.0	0.0	0.4	4.8	0.0	0.0	0.0	0.0	4.8	5.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.8	0.5	0.0	0.0	0.0	5.3	5.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.9	0.3	0.0	0.0	0.1	3.3	3.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	29.3	0.0	7.9	37.2	110.6	7.8	13.3	0.0	0.1	131.8	169.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

TENNESSEE

		+	-----	USOA	-----	+	-----	OTHER INSTITUTIONS	-----	+	-----	GRAND
		ARS/HNIS	ERS/	USOA	PS	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
		/OICO	ACS	TOTAL			TUSK	SCH	SCH			
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	5.7	0.3	0.0	0.0	0.0	6.0	6.0
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	2.5	2.5	4.5	0.0	0.0	0.0	0.0	4.5	7.0
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01: CORN	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.03: WHEAT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.06: SOYBEANS	1.0	0.0	0.0	1.0	7.0	0.6	0.0	0.0	0.0	7.7	8.7
RP	3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	7.9	7.9
RP	3.10: COTTON	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	6.4	0.4	0.0	0.0	0.0	6.8	6.8
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	6.4	2.3	0.0	0.0	0.0	8.7	8.7
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	4.01: BEEF	0.0	0.0	0.0	0.0	6.4	0.4	0.0	0.0	0.6	7.4	7.4
RP	4.02: DAIRY	2.0	0.0	0.0	2.0	11.8	0.0	0.0	0.0	0.0	11.8	13.8
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	2.6	0.4	0.0	0.0	0.0	3.0	3.0
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.05: SWINE	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## TENNESSEE

	+-----+ USDA		+-----+ USDA		+-----+ OTHER INSTITUTIONS						+-----+ TOTAL		GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL			
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5		
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	2.5	0.3	0.0	0.0	0.0	2.8	2.8		
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7		
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1		
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7		
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.8	0.3	0.0	0.0	0.0	6.1	6.1		
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7		
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.4	0.4		
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.7	0.9	0.0	0.0	0.0	3.6	3.6		
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7		
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0		
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4		
GRAND TOTAL	3.0	0.0	2.5	5.5	116.0	6.5	0.0	0.0	0.8	123.3	128.8		

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

## TEXAS

		+	-----	USDA	-----	+	-----	OTHER INSTITUTIONS	-----	+		
		ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01: SOIL & LAND USE	9.2	0.0	0.0	9.2	11.2	0.0	0.1	0.0	0.0	11.3	20.5
RP	1.02: WATER & WATERSHEDS	9.9	0.0	0.0	9.9	12.3	0.0	0.1	0.0	0.0	12.5	22.4
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.9	1.7	0.0	3.2	0.0	8.9	8.9
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	1.07: REMOTE SENSING	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	1.2	0.0	0.0	1.5	1.5
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.9	0.0	1.2	0.0	0.0	4.2	4.2
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.9	0.0	0.4	0.0	0.0	1.3	1.3
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.8	0.8
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.4	0.0	0.5	0.0	0.0	1.9	1.9
RP	2.06: FOREST RANGE MANAGEMENT & WILDLIFE HABITAT	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP	2.07: FOREST RECREATION & AESTHETICS & OTHER LAND-USE VALUES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0	1.0	1.0
RP	2.09: TECHNICAL ASSISTANCE	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.01: CORN	3.0	0.0	0.0	3.0	6.4	0.0	0.0	0.0	0.0	6.4	9.5
RP	3.02: GRAIN SORGHUM	2.2	0.0	0.0	2.2	15.8	0.0	0.0	0.0	0.0	15.6	17.9
RP	3.03: WHEAT	1.0	0.0	0.0	1.0	9.2	0.0	0.0	0.0	0.0	9.2	10.2
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	3.05: RICE	6.0	0.0	0.0	6.0	4.7	0.0	0.0	0.0	0.0	4.7	10.7
RP	3.06: SOYBEANS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	3.07: PEANUTS	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP	3.08: SUGAR	1.9	0.0	0.0	1.9	3.6	0.0	0.0	0.0	0.0	3.6	5.5
RP	3.09: FORAGE, RANGE, & PASTURE	13.0	0.0	0.0	13.0	26.2	0.0	0.0	0.0	1.0	27.2	40.3
RP	3.10: COTTON	33.6	0.0	0.0	33.6	23.9	0.0	0.0	0.0	0.0	23.9	57.6
RP	3.12: NEW CROPS & MINOR OILSEEDS	3.7	0.0	0.0	3.7	2.8	0.0	0.0	0.0	0.0	2.8	6.6
RP	3.13: FRUIT	7.1	0.0	0.0	7.1	8.5	0.0	0.0	0.0	0.0	8.5	15.6
RP	3.14: VEGETABLE CROPS	5.9	0.0	0.0	5.9	13.9	0.0	0.0	0.0	0.0	13.9	19.8
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	13.6	13.6
RP	3.16: BEES & OTHER POLLINATING INSECTS	3.6	0.0	0.0	3.6	0.8	0.0	0.0	0.0	0.0	0.8	4.4
RP	3.19: NONSPECIFIC PLANTS	7.3	0.0	0.0	7.3	1.5	0.0	0.0	0.0	0.0	1.5	8.9
RP	4.01: BEEF	27.5	0.0	0.0	27.5	21.2	0.0	0.0	2.7	4.2	28.1	55.7
RP	4.02: DAIRY	3.0	0.0	0.0	3.0	6.4	0.0	0.0	1.7	0.0	8.1	11.2
RP	4.03: POULTRY	9.6	0.0	0.0	9.6	6.8	0.0	0.0	0.0	0.2	7.0	16.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 2

## RESEARCH PROGRAM SUMMARY

## TEXAS

	+-----+ ARS/HNIS /DICO		USDA ERS/ ACS		+-----+ USDA FS TOTAL		+-----+ 1890/ TUSK		OTHER INSTITUTIONS FRSTRY SCH VET SCH		+-----+ OTHR TOTAL		GRAND TOTAL
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	4.7	4.7	
RP 4.05: SWINE	2.8	0.0	0.0	2.8	1.5	0.0	0.0	0.7	0.0	2.3	5.1		
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	4.9	9.0	0.0	8.7	0.0	22.6	22.6		
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.5	0.0	4.4	4.4		
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.8	0.2	0.0	9.0	1.5	12.6	12.6		
RP 4.09: INVERTEBRATES	0.9	0.0	0.0	0.9	1.0	0.0	0.0	0.0	0.0	1.0	1.9		
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7		
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8		
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0		
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	1.0	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.3	1.4		
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	9.7	9.7		
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7		
RP 6.03: MARKETING & COMPETITION	1.6	0.0	0.0	1.6	5.1	1.0	0.0	0.0	0.0	6.1	7.7		
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6		
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.4	0.0	0.0	0.4	15.4	0.0	0.0	0.0	0.1	15.5	15.9		
RP 8.01: HUMAN NUTRITION	2.8	0.0	0.0	2.8	6.0	0.8	0.0	0.0	0.0	6.8	9.6		
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2		
RP 8.03: FOOD SAFETY	7.0	0.0	0.0	7.0	1.1	0.0	0.0	0.0	0.0	1.1	8.1		
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8		
RP 9.01: UNCLASSIFIED	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0		
GRAND TOTAL	170.1	0.0	1.3	171.4	288.0	13.6	4.6	28.8	7.0	340.0	511.4		

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## VIRGIN ISLANDS

	USDA				OTHER INSTITUTIONS						GRAND TOTAL
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.02: GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL	0.2	0.0	0.0	0.2	5.2	0.0	0.0	0.0	0.0	5.2	5.4



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## VIRGINIA

			+-----+ ARS/HNIS /OICD		USOA ERS/ ACS		+-----+ USOA FS TOTAL		+-----+ SAES		OTHER INSTITUTIONS 1890/ TUSK		FRSTRY SCH		VET SCH		+-----+ OTHR		TOTAL		+-----+ GRAND TOTAL	
RP	1.01:	SOIL & LAND USE	0.0		0.0		0.0		11.3		0.0		0.0		0.0		0.0		11.3		11.3	
RP	1.02:	WATER & WATERSHEDS	0.0		0.0		0.0		5.9		0.0		0.0		0.0		0.0		5.9		5.9	
RP	1.04:	ENVIRONMENTAL QUALITY	0.0		0.0		0.0		7.8		0.0		0.0		0.0		0.0		7.8		7.8	
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0		0.0		0.0		0.2		0.0		0.0		0.0		0.0		0.2		0.2	
RP	1.06:	FISH & WILDLIFE	0.0		0.0		0.0		2.3		1.5		0.0		0.0		0.0		3.8		3.8	
RP	1.07:	REMOTE SENSING	0.0		0.0		0.0		1.2		0.0		0.0		0.0		0.0		1.2		1.2	
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0		0.0		0.0		1.8		0.0		0.0		0.0		0.0		1.8		1.8	
RP	2.02:	TIMBER MANAGEMENT	0.0		0.0		0.0		3.7		0.0		0.0		0.0		0.0		3.7		3.7	
RP	2.03:	FOREST PROTECTION	0.0		0.0		0.0		1.3		0.0		0.0		0.0		0.0		1.3		1.3	
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0		0.0		0.0		9.0		0.0		0.0		0.0		0.5		9.5		9.5	
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0		0.0		0.0		1.3		0.0		0.0		0.0		0.0		1.3		1.3	
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0		0.0		0.0		0.8		0.0		0.0		0.0		0.0		0.8		0.8	
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0		0.0		0.0		1.1		0.0		0.0		0.0		0.0		1.1		1.1	
RP	2.08:	ALTERNATE USES OF LAND	0.0		0.0		0.0		1.2		0.0		0.0		0.0		0.0		1.2		1.2	
RP	2.09:	TECHNICAL ASSISTANCE	0.0		0.0		0.0		0.3		0.0		0.0		0.0		0.0		0.3		0.3	
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0		0.0		0.0		0.4		0.0		0.0		0.0		0.0		0.4		0.4	
RP	3.01:	CORN	0.0		0.0		0.0		5.8		0.0		0.0		0.0		0.0		5.8		5.8	
RP	3.02:	GRAIN SORGHUM	0.0		0.0		0.0		0.2		0.0		0.0		0.0		0.0		0.2		0.2	
RP	3.03:	WHEAT	0.0		0.0		0.0		2.4		0.0		0.0		0.0		0.0		2.4		2.4	
RP	3.06:	SOYBEANS	0.0		0.0		0.0		8.9		3.9		0.0		0.0		0.0		10.8		10.8	
RP	3.07:	PEANUTS	3.9		0.0		0.0		6.7		0.0		0.0		0.0		0.0		6.7		10.6	
RP	3.08:	SUGAR	0.0		0.0		0.0		0.7		0.0		0.0		0.0		0.0		0.7		0.7	
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0		0.0		0.0		3.6		0.0		0.0		0.0		0.0		3.6		3.6	
RP	3.10:	COTTON	0.0		0.0		0.0		0.5		0.0		0.0		0.0		0.0		0.5		0.5	
RP	3.11:	TOBACCO	0.0		0.0		0.0		2.9		0.0		0.0		0.0		0.0		2.9		2.9	
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0		0.0		0.0		0.2		0.0		0.0		0.0		0.0		0.2		0.2	
RP	3.13:	FRUIT	0.0		0.0		0.0		5.7		0.0		0.0		0.0		0.0		5.7		5.7	
RP	3.14:	VEGETABLE CROPS	0.0		0.0		0.0		7.9		3.9		0.0		0.0		0.0		11.8		11.8	
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0		0.0		0.0		9.0		0.0		0.0		0.0		0.0		9.0		9.0	
RP	3.17:	WEEOS IN CROPS	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
RP	3.19:	NONSPECIFIC PLANTS	0.0		0.0		0.0		2.2		0.0		0.0		0.0		0.0		2.2		2.2	
RP	4.01:	BEEF	0.0		0.0		0.0		10.6		0.0		0.0		0.0		0.0		10.6		10.6	
RP	4.02:	DAIRY	0.0		0.0		0.0		8.6		0.0		0.0		0.0		0.0		8.6		8.6	
RP	4.03:	POULTRY	0.0		0.0		0.0		8.4		0.0		0.0		0.0		0.0		8.4		8.4	
RP	4.04:	SHEEP	0.0		0.0		0.0		2.4		0.0		0.0		0.0		0.0		2.4		2.4	
RP	4.05:	SWINE	0.0		0.0		0.0		10.0		0.5		0.0		0.0		0.0		10.5		10.5	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 2

## VIRGINIA

			-----+ ARS/HNIS /OICO	USOA ERS/ ACS	-----+ FS	USOA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.3	0.5	0.0	0.0	0.0	1.8	1.8
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.4	0.9	0.0	0.0	0.0	1.3	1.3
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	12.4	12.4
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.7	1.9	0.0	0.0	0.0	2.6	2.6
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.2	2.2	2.3
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
GRAND TOTAL			4.0	0.0	0.0	4.0	181.5	13.1	0.0	0.0	0.7	195.3	199.3

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## ILLINOIS

			USOA		+-----+		OTHER INSTITUTIONS				+-----+		GRAND TOTAL
			ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.3	0.0	0.0	0.3	10.9	0.0	0.0	0.0	0.0	10.9	11.2
RP	1.02:	WATER & WATERSHEDS	1.2	0.0	0.0	1.2	3.1	0.0	0.0	0.0	0.0	3.1	4.4
RP	1.04:	ENVIRONMENTAL QUALITY	0.9	0.0	0.0	0.9	3.6	0.0	0.1	1.2	0.0	5.0	6.0
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.7	0.7
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.6	0.6
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	2.3	2.3	2.6	0.0	3.2	0.0	0.0	5.9	8.2
RP	2.03:	FOREST PROTECTION	0.0	0.0	1.6	1.6	2.7	0.0	0.0	0.0	0.0	2.7	4.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.4	2.4	4.2	0.0	1.7	0.0	0.0	5.9	8.3
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.1	2.1	0.9	0.0	1.3	0.0	0.0	2.3	4.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.0	2.0	0.1	0.0	0.3	0.0	0.0	0.4	2.4
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.09:	TECHNICAL ASSISTANCE	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.8
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01:	CORN	47.5	0.0	0.0	47.5	23.2	0.0	0.0	0.0	0.0	23.2	70.7
RP	3.02:	GRAIN SORGHUM	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP	3.03:	WHEAT	10.0	0.0	0.0	10.0	3.7	0.0	0.0	0.0	0.0	3.7	13.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	1.8	0.0	0.0	1.8	1.9	0.0	0.0	0.0	0.0	1.9	3.7
RP	3.06:	SOYBEANS	49.8	0.0	0.0	49.8	13.6	0.0	0.0	0.0	0.0	13.6	63.4
RP	3.09:	FORAGE, RANGE, & PASTURE	1.8	0.0	0.0	1.8	2.6	0.0	0.0	0.0	0.1	2.7	4.5
RP	3.10:	COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.12:	NEW CROPS & MINOR OILSEEDS	5.7	0.0	0.0	5.7	1.2	0.0	0.0	0.0	0.0	1.2	6.9
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	3.14:	VEGETABLE CROPS	0.5	0.0	0.0	0.5	8.1	0.0	0.0	0.0	0.0	8.1	8.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP	3.17:	WEEDS IN CROPS	3.5	0.0	0.0	3.5	0.6	0.0	0.0	0.0	0.0	0.6	4.2
RP	3.19:	NONSPECIFIC PLANTS	1.6	0.0	0.0	1.6	4.2	0.0	0.0	0.0	1.1	5.3	6.9
RP	4.01:	BEEF	0.6	0.0	0.0	0.6	5.9	0.0	0.0	1.7	0.0	7.7	8.3
RP	4.02:	DAIRY	1.0	0.0	0.0	1.0	10.9	0.0	0.0	4.0	0.0	15.0	16.0
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.9	0.0	6.1	6.1
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.1	0.0	2.8	2.8
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	8.1	0.0	0.0	11.9	0.1	20.1	20.1
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.4	0.0	0.0	2.4	0.4	4.2	4.2
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	17.3	0.0	18.9	18.9
RP	4.09:	INVERTEBRATES	2.6	0.0	0.0	2.6	0.6	0.0	0.0	0.0	0.0	0.6	3.2

REGION 3

## ILLINOIS

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TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

## INDIANA

			+	USDA	+	+	1890/	OTHER INSTITUTIONS	+			
			ARS/HNIS	ERS/	FS	USDA	SAES	TUSK	FRSTRY	VET	OTHR	GRAND
			/OICD	ACS	TOTAL	TOTAL			SCH	SCH	TOTAL	TOTAL
RP 1.01:	SOIL & LAND USE		7.7	0.0	0.0	7.7	5.7	0.0	0.0	0.0	0.0	13.4
RP 1.02:	WATER & WATERSHEDS		0.1	0.0	0.0	0.1	1.0	0.0	0.0	0.0	1.0	1.2
RP 1.04:	ENVIRONMENTAL QUALITY		0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	3.5	3.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 1.06:	FISH & WILDLIFE		0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7	1.7
RP 1.07:	REMOTE SENSING		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES		0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 2.02:	TIMBER MANAGEMENT		0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	2.2	2.2
RP 2.03:	FOREST PROTECTION		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS		0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	2.9	2.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION		0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES		0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP 2.08:	ALTERNATE USES OF LAND		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 2.09:	TECHNICAL ASSISTANCE		0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
RP 2.11:	FOREST & RANGE RESOURCES		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN		1.1	0.0	0.0	1.1	12.4	0.0	0.0	0.0	12.4	13.6
RP 3.02:	GRAIN SORGHUM		0.4	0.0	0.0	0.4	3.0	0.0	0.0	0.0	3.0	3.4
RP 3.03:	WHEAT		2.8	0.0	0.0	2.8	2.9	0.0	0.0	0.0	2.9	5.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT		0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.4
RP 3.05:	RICE		0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 3.06:	SOYBEANS		3.8	0.0	0.0	3.8	5.6	0.0	0.0	0.0	5.6	9.5
RP 3.08:	SUGAR		0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP 3.09:	FORAGE, RANGE, & PASTURE		0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP 3.12:	NEW CROPS & MINOR OILSEEDS		0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5	2.5
RP 3.13:	FRUIT		0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
RP 3.14:	VEGETABLE CROPS		0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	8.3	8.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT		0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
RP 3.17:	WEEEDS IN CROPS		0.5	0.0	0.0	0.5	1.6	0.0	0.0	0.0	1.6	2.1
RP 3.19:	NONSPECIFIC PLANTS		0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	1.5	9.2
RP 4.01:	BEEF		0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	4.4	4.4
RP 4.02:	DAIRY		0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	4.4	4.4
RP 4.03:	POULTRY		0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	4.7	4.7
RP 4.04:	SHEEP		0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP 4.05:	SWINE		0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	7.3	7.3
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)		0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3											
INDIANA											
RESEARCH PROGRAM SUMMARY											
	+	USOA	+	+	+	OTHER INSTITUTIONS	+				
	ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
	/OICO	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.5	10.6	10.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.4	1.6	1.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	17.2	0.0	0.0	17.2	138.3	0.0	0.0	0.0	2.4	140.7	157.9

REGION 3

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TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## IOWA

	+-----+ USDA		-----+ USDA		+-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		-----+ OTHER INSTITUTIONS		GRAND TOTAL
	ARS/HNIS /OICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.4	0.0	0.0	0.4	3.8	0.0	0.0	0.0	0.0	3.8	4.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	87.8	0.0	0.0	87.8	125.3	0.0	0.0	27.6	0.0	152.9	240.7



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

KANSAS

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	5.0	0.0	0.0	5.0	8.1	0.0	0.0	0.0	0.0	8.1	13.1
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.01: CORN	3.0	0.0	0.0	3.0	9.1	0.0	0.0	0.0	0.0	9.1	12.2
RP	3.02: GRAIN SORGHUM	0.5	0.0	0.0	0.5	11.9	0.0	0.0	0.0	0.0	11.9	12.4
RP	3.03: WHEAT	14.8	0.0	0.0	14.8	37.8	0.0	0.0	0.0	0.0	37.8	52.6
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	3.05: RICE	0.2	0.0	0.0	0.2	0.9	0.0	0.0	0.0	0.0	0.9	1.1
RP	3.06: SOYBEANS	0.6	0.0	0.0	0.6	7.3	0.0	0.0	0.0	0.0	7.3	7.9
RP	3.09: FORAGE, RANGE, & PASTURE	0.9	0.0	0.0	0.9	11.2	0.0	0.0	0.0	0.0	11.2	12.1
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP	4.01: BEEF	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	24.0	24.0
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP	4.05: SWINE	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	6.5	6.5
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## KANSAS

	ARS/ HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.03: MARKETING & COMPETITION	2.8	0.0	0.0	2.8	6.4	0.0	0.0	0.0	0.0	6.4	9.2
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.7	6.7	6.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	28.0	0.0	0.0	28.0	197.7	0.0	0.0	0.0	0.9	198.6	226.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## MICHIGAN

			+	USOA	+	+	OTHER INSTITUTIONS				+		
			ARS/HNIS	ERS/	FS	USOA	SAES	MICH	MICH	VET	OTHR	TOTAL	GRAND
			/OICD	ACS		TOTAL		A	HOUGHT	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9	6.9
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.4	0.1	0.0	0.0	0.0	4.5	4.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	2.4	1.0	0.1	0.0	0.0	3.5	3.5
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	3.8	0.7	5.9	0.0	0.0	10.4	10.4
RP	2.03:	FOREST PROTECTION	0.0	0.0	3.8	3.8	0.8	0.7	0.0	0.0	0.0	1.5	5.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.2	5.2	2.6	0.2	4.3	0.0	0.1	7.2	12.4
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.2	2.3	0.0	0.0	2.9	2.9
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.8	0.8
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.0	0.0	1.2	1.2
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.5	0.5
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	3.01:	CORN	0.1	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	1.0	1.1
RP	3.03:	WHEAT	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.6	0.8
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.8	0.0	0.0	0.8	2.5	0.0	0.0	0.0	0.0	2.5	3.3
RP	3.05:	RICE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	3.08:	SUGAR	3.0	0.0	0.0	3.0	0.2	0.0	0.0	0.0	0.0	0.2	3.2
RP	3.09:	FORAGE, RANGE, & PASTURE	0.8	0.0	0.0	0.8	2.2	0.0	0.0	0.0	0.0	2.2	3.0
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.13:	FRUIT	1.1	0.0	0.0	1.1	10.7	0.0	0.0	0.0	0.0	10.7	11.9
RP	3.14:	VEGETABLE CROPS	1.6	0.0	0.0	1.6	11.4	0.0	0.0	0.0	0.0	11.4	13.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.4	9.5	9.5
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	4.02:	DAIRY	0.1	0.0	0.0	0.1	6.9	0.0	0.0	0.0	0.0	6.9	7.0
RP	4.03:	POULTRY	12.8	0.0	0.0	12.8	4.6	0.0	0.0	0.0	0.9	5.5	18.3
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 3											
MICHIGAN											
RESEARCH PROGRAM SUMMARY											

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## MINNESOTA

			ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	5.9	0.0	0.0	5.9	11.4	0.0	0.0	0.0	0.0	11.4	17.4
RP	1.02:	WATER & WATERSHEDS	1.8	0.0	0.0	1.8	2.7	0.0	0.0	0.0	0.0	2.7	4.3
RP	1.04:	ENVIRONMENTAL QUALITY	3.8	0.0	0.0	3.8	1.7	0.0	0.0	0.0	0.0	1.7	5.5
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.4	0.0	0.0	0.4	1.2	0.0	0.0	0.0	0.0	1.2	1.6
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	6.0	6.0	2.5	0.0	0.0	0.0	0.0	2.5	8.5
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	1.8	1.8	4.8	0.0	0.0	0.0	0.0	4.8	6.7
RP	2.03:	FOREST PROTECTION	0.0	0.0	4.0	4.0	2.2	0.0	0.0	0.0	0.0	2.2	6.2
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	1.2	1.2	4.5	0.0	0.0	0.0	0.6	5.1	6.4
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	11.2	11.2	1.7	0.0	0.0	0.0	0.0	1.7	12.9
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.4	3.4	0.5	0.0	0.0	0.0	0.0	0.5	3.9
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	3.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.9	1.9	1.0	0.0	0.0	0.0	0.0	1.0	2.9
RP	2.09:	TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0
RP	3.01:	CORN	5.5	0.0	0.0	5.5	9.5	0.0	0.0	0.0	0.1	9.6	15.2
RP	3.02:	GRAIN SORGHUM	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	3.03:	WHEAT	6.4	0.0	0.0	6.4	0.9	0.0	0.0	0.0	0.0	0.9	7.3
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	1.9	0.0	0.0	1.9	4.4	0.0	0.0	0.0	0.0	4.4	6.4
RP	3.05:	RICE	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	3.06:	SOYBEANS	3.9	0.0	0.0	3.9	5.0	0.0	0.0	0.0	0.0	5.0	9.0
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	3.09:	FORAGE, RANGE, & PASTURE	5.3	0.0	0.0	5.3	6.2	0.0	0.0	0.0	0.0	6.2	11.5
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.4	0.4
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP	3.14:	VEGETABLE CROPS	5.7	0.0	0.0	5.7	12.0	0.0	0.0	0.0	0.0	12.0	17.8
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.17:	WEEOS IN CROPS	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP	3.19:	NONSPECIFIC PLANTS	0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.0	2.0	2.2
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.1	0.0	8.1	8.1
RP	4.02:	DAIRY	1.0	0.0	0.0	1.0	9.8	0.0	0.0	5.3	0.0	15.1	16.1
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	7.8	0.0	0.0	1.1	0.0	8.9	8.9
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	8.4	0.0	0.0	7.4	0.0	15.8	15.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

												REGION 3
												MINNESOTA
		+	USDA	+	+	+	OTHER INSTITUTIONS	+				
		ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	3.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.0	1.3	1.3
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	8.6
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.7	1.7
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 6.03:	MARKETING & COMPETITION	0.2	0.0	0.0	0.2	5.2	0.0	0.0	0.0	0.0	5.2	5.4
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.8	0.0	0.0	0.8	5.8	0.0	0.0	0.0	0.0	5.8	6.4
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
GRAND TOTAL		44.9	0.0	32.7	77.6	183.1	0.0	0.0	21.3	0.8	205.2	282.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

MISSOURI

		+	USOA	+	+	+	OTHER INSTITUTIONS	+				
		ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01:											
	SOIL & LAND USE	2.0	0.0	0.0	2.0	5.8	0.1	0.0	0.0	0.0	5.8	7.8
RP	1.02:											
	WATER & WATERSHEDS	1.4	0.0	0.0	1.4	1.8	0.0	0.0	0.0	0.0	1.6	3.1
RP	1.04:											
	ENVIRONMENTAL QUALITY	0.4	0.0	0.0	0.4	1.9	0.0	0.0	0.0	0.0	1.9	2.3
RP	1.05:											
	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	1.06:											
	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.01:											
	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP	2.02:											
	TIMBER MANAGEMENT	0.0	0.0	3.2	3.2	2.0	0.0	0.0	0.0	0.0	2.0	5.2
RP	2.03:											
	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.04:											
	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.05:											
	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	2.06:											
	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	2.07:											
	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.08:											
	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.09:											
	TECHNICAL ASSISTANCE	1.1	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.2	1.3
RP	2.10:											
	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.01:											
	CORN	7.0	0.0	0.0	7.0	4.8	0.0	0.0	0.0	0.0	4.8	11.8
RP	3.02:											
	GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP	3.03:											
	WHEAT	1.4	0.0	0.0	1.4	3.4	0.0	0.0	0.0	0.0	3.4	4.8
RP	3.04:											
	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.05:											
	RICE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.06:											
	SOYBEANS	2.0	0.0	0.0	2.0	7.4	0.8	0.0	0.0	0.0	8.0	10.1
RP	3.09:											
	FORAGE, RANGE, & PASTURE	1.0	0.0	0.0	1.0	5.1	0.8	0.0	0.0	0.0	5.9	8.9
RP	3.10:											
	COTTON	0.3	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.5	0.8
RP	3.12:											
	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.13:											
	FRUIT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP	3.14:											
	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.8	2.2	0.0	0.0	0.0	3.0	3.0
RP	3.15:											
	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	3.17:											
	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.18:											
	SEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.19:											
	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.1	8.4	8.4
RP	4.01:											
	BEEF	0.0	0.0	0.0	0.0	10.4	0.2	0.0	1.1	0.0	11.8	11.8
RP	4.02:											
	DAIRY	1.0	0.0	0.0	1.0	5.8	0.0	0.0	0.8	0.0	6.6	7.6
RP	4.03:											
	POULTRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.1	0.0	3.3	3.3
RP	4.04:											
	SHEEP	0.0	0.0	0.0	0.0	3.5	0.9	0.0	0.0	0.0	4.5	4.5
RP	4.05:											
	SWINE	1.1	0.0	0.0	1.1	7.3	0.8	0.0	0.5	0.0	8.4	9.5
RP	4.06:											
	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	0.2	0.0	7.5	0.0	8.3	8.3

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 3											
MISSOURI											
RESEARCH PROGRAM SUMMARY											



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990												REGION 3	
RESEARCH PROGRAM SUMMARY												NEBRASKA	
			+	USOA	+		+	OTHER INSTITUTIONS	+			GRAND TOTAL	
			ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR		TOTAL
RP	1.01:	SOIL & LAND USE	6.3	0.0	0.0	6.3	6.0	0.0	0.0	0.0	0.0	6.0	12.4
RP	1.02:	WATER & WATERSHEDS	1.6	0.0	0.0	1.6	5.0	0.0	0.0	0.0	0.0	5.0	6.7
RP	1.04:	ENVIRONMENTAL QUALITY	0.3	0.0	0.0	0.3	2.7	0.0	0.0	0.0	0.0	2.7	3.0
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.03:	FOREST PROTECTION	0.0	0.0	2.9	2.9	0.2	0.0	0.0	0.0	0.0	0.2	3.1
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	3.01:	CORN	1.4	0.0	0.0	1.4	10.5	0.0	0.0	0.0	0.0	10.5	12.0
RP	3.02:	GRAIN SORGHUM	3.5	0.0	0.0	3.5	7.8	0.0	0.0	0.0	0.0	7.8	11.3
RP	3.03:	WHEAT	4.4	0.0	0.0	4.4	4.9	0.0	0.0	0.0	0.0	4.9	9.3
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.3	0.0	0.0	0.3	2.8	0.0	0.0	0.0	0.0	2.8	3.1
RP	3.06:	SOYBEANS	0.8	0.0	0.0	0.8	8.0	0.0	0.0	0.0	0.0	8.0	8.9
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	3.09:	FORAGE, RANGE, & PASTURE	4.8	0.0	0.0	4.8	5.3	0.0	0.0	0.0	0.0	5.3	10.2
RP	3.12:	NEW CROPS & MINOR DILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RP	4.01:	BEEF	22.4	0.0	0.0	22.4	14.7	0.0	0.0	0.0	0.0	14.7	37.2
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.1	3.9	3.9
RP	4.04:	SHEEP	6.2	0.0	0.0	6.2	2.2	0.0	0.0	0.0	0.0	2.2	8.5
RP	4.05:	SWINE	13.9	0.0	0.0	13.9	12.8	0.0	0.0	0.0	0.0	12.8	26.7
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## NEBRASKA

	+	+	+	+	+	+	+	+	+	+	+	
	ARS/HNIS	USOA	USOA	USOA	OTHER INSTITUTIONS	OTHER INSTITUTIONS	OTHER INSTITUTIONS	OTHER INSTITUTIONS	OTHER INSTITUTIONS	OTHER INSTITUTIONS	OTHER INSTITUTIONS	GRAND
	/OICD	ERS/	FS	TOTAL	SAES	1890/	FRSTRY	VET	OTH	TOTAL	TOTAL	TOTAL
		ACS				TUSK	SCH	SCH				
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6	
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.3	0.0	0.0	0.3	4.9	0.0	0.0	0.0	0.0	4.9	5.2	
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8	
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	
RP 8.03: FOOD SAFETY	2.3	0.0	0.0	2.3	2.0	0.0	0.0	0.0	0.0	2.0	4.3	
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	
GRAND TOTAL	68.9	0.0	4.0	72.9	149.1	0.0	0.0	0.0	0.1	149.2	222.1	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

NORTH DAKOTA

			-----+-----	USOA	-----+-----	USOA	-----+-----	OTHER INSTITUTIONS	-----+-----			GRAND	
			ARS/HNIS	ERS/	FS	TOTAL	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	TOTAL
			/OICO	ACS				TUSK	SCH	SCH			
RP	1.01:	SOIL & LAND USE	1.9	0.0	0.0	1.9	11.1	0.0	0.0	0.0	0.0	11.1	13.1
RP	1.02:	WATER & WATERSHEOS	2.1	0.0	0.0	2.1	4.4	0.0	0.0	0.0	0.0	4.4	6.5
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.04:	ENVIRONMENTAL QUALITY	1.3	0.0	0.0	1.3	1.3	0.0	0.0	0.0	1.0	2.3	3.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.1	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.0	1.2	1.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.09:	TECHNICAL ASSISTANCE	1.2	0.0	0.0	1.2	1.4	0.0	0.0	0.0	0.0	1.4	2.6
RP	3.01:	CORN	2.8	0.0	0.0	2.8	1.8	0.0	0.0	0.0	0.0	1.8	4.7
RP	3.03:	WHEAT	5.7	0.0	0.0	5.7	15.3	0.0	0.0	0.0	0.0	15.3	21.0
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	2.5	0.0	0.0	2.5	9.3	0.0	0.0	0.0	0.0	9.3	11.8
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	3.08:	SUGAR	4.5	0.0	0.0	4.5	1.6	0.0	0.0	0.0	0.0	1.6	6.1
RP	3.09:	FORAGE, RANGE, & PASTURE	5.8	0.0	0.0	5.8	9.3	0.0	0.0	0.0	0.0	9.3	15.1
RP	3.10:	COTTON	4.8	0.0	0.0	4.8	0.2	0.0	0.0	0.0	0.0	0.2	5.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	7.5	0.0	0.0	7.5	10.1	0.0	0.0	0.0	0.0	10.1	17.7
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.14:	VEGETABLE CROPS	0.3	0.0	0.0	0.3	9.4	0.0	0.0	0.0	0.5	9.9	10.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.9	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	0.3	1.2
RP	3.17:	WEEOS IN CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.19:	NONSPECIFIC PLANTS	3.9	0.0	0.0	3.9	0.9	0.0	0.0	0.0	0.0	0.9	4.8
RP	4.01:	BEEF	1.9	0.0	0.0	1.9	10.9	0.0	0.0	0.0	0.0	10.9	12.8
RP	4.02:	DAIRY	3.2	0.0	0.0	3.2	4.6	0.0	0.0	0.0	0.0	4.6	7.9
RP	4.03:	POULTRY	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP	4.04:	SHEEP	0.6	0.0	0.0	0.6	3.2	0.0	0.0	0.0	0.0	3.2	3.9
RP	4.05:	SWINE	1.5	0.0	0.0	1.5	4.3	0.0	0.0	0.0	0.0	4.3	5.9
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.08:	NONSPECIFIC ANIMALS	0.4	0.0	0.0	0.4	4.9	0.0	0.0	0.0	0.0	4.9	5.4
RP	4.09:	INVERTEBRATES	4.6	0.0	0.0	4.6	0.2	0.0	0.0	0.0	0.0	0.2	4.8
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

NORTH DAKOTA

	ARS/ HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 8.01: HUMAN NUTRITION	17.2	0.0	0.0	17.2	0.1	0.0	0.0	0.0	0.0	0.1	17.3
RP 8.03: FOOD SAFETY	4.7	0.0	0.0	4.7	0.5	0.0	0.0	0.0	0.0	0.5	5.2
GRAND TOTAL	81.3	0.0	0.0	81.3	125.2	0.0	0.0	0.0	1.5	126.7	208.0

REGION 3

OHIO

230

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

OHIO

	-----+ ARS/HNIS /OICD	USOA ERS/ ACS	-----+ FS TOTAL	USOA TOTAL	-----+ SAES	OHIO ALLIAN	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.2	1.6	1.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.8	0.0	0.0	0.8	1.9	0.0	0.0	0.0	0.2	2.1	3.0
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	20.5	0.0	18.9	39.4	142.9	0.5	0.0	15.0	1.5	159.9	199.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 3

## RESEARCH PROGRAM SUMMARY

SOUTH DAKOTA

			+	USDA	+	+	OTHER INSTITUTIONS				+		
			ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
			/DICO	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	5.4	5.4	0.2	0.0	0.0	0.0	0.0	0.2	5.6
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.01:	CORN	6.8	0.0	0.0	6.8	6.3	0.0	0.0	0.0	0.0	6.3	13.1
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.03:	WHEAT	0.7	0.0	0.0	0.7	5.6	0.0	0.0	0.0	0.0	5.6	6.3
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	2.7	0.0	0.0	0.0	0.0	2.7	2.8
RP	3.06:	SOYBEANS	1.0	0.0	0.0	1.0	1.2	0.0	0.0	0.0	0.0	1.2	2.2
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.2	0.2	6.1	0.0	0.0	0.0	0.0	6.1	6.3
RP	3.12:	NEW CROPS & MINOR DILSEEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	6.5	6.5
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## SOUTH DAKOTA

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS USDA TOTAL	-----+ SAES 1880/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	-----+ VET SCH	OTHER	TOTAL	GRAND TOTAL
GRAND TOTAL	8.7	0.0	5.7 14.4	73.1	0.0	0.0	0.0	73.1	87.5



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## WISCONSIN

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	10.1	10.1	3.3	0.0	0.0	0.0	0.0	3.3	13.4
RP	2.03: FOREST PROTECTION	0.0	0.0	2.6	2.6	2.0	0.0	0.0	0.0	0.0	2.0	4.6
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	71.1	71.1	2.8	0.0	0.0	0.0	0.7	3.5	74.6
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.01: CORN	1.5	0.0	0.0	1.5	4.4	0.0	0.0	0.0	0.0	4.4	5.9
RP	3.03: WHEAT	0.6	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.9
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	4.5	0.0	0.0	4.5	1.5	0.0	0.0	0.0	0.0	1.5	6.0
RP	3.05: RICE	0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.4	0.6
RP	3.06: SOYBEANS	0.1	0.0	0.0	0.1	2.9	0.0	0.0	0.0	0.0	2.9	3.0
RP	3.09: FORAGE, RANGE, & PASTURE	6.9	0.0	0.0	6.9	5.8	0.0	0.0	0.0	0.0	5.8	12.8
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP	3.14: VEGETABLE CROPS	8.2	0.0	0.0	8.2	10.3	0.0	0.0	0.0	0.0	10.3	18.5
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.19: NONSPECIFIC PLANTS	0.9	0.0	0.0	0.9	8.0	0.0	0.0	0.0	1.2	9.2	10.1
RP	4.01: BEEF	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP	4.02: DAIRY	3.7	0.0	0.0	3.7	16.1	0.0	0.0	0.0	0.0	16.1	19.8
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	4.05: SWINE	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 3

## WISCONSIN

	USDA				OTHER INSTITUTIONS						GRAND TOTAL
	ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.5	4.9	4.9
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	1.0	6.6	6.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0	1.0	25.2	25.2
RP 8.01: HUMAN NUTRITION	0.1	0.0	0.0	0.1	6.7	0.0	0.0	0.0	0.0	6.7	6.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.7	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.6	1.4
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
GRAND TOTAL	27.7	0.0	83.8	111.5	173.2	0.0	0.0	0.0	4.4	177.6	289.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## ALASKA

			+-----+ USOA		+-----+ USOA	+-----+ OTHER INSTITUTIONS				+-----+ OTHER		GRAND TOTAL
			ARS/HNIS /DICO	ERS/ ACS	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	TOTAL	
RP	1.01:	SOIL & LAND USE	2.8	0.0	0.0	2.8	1.3	0.0	0.0	0.0	1.3	4.0
RP	1.02:	WATER & WATERSHEOS	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	1.08:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	2.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	7.1	7.1	1.4	0.0	0.0	0.0	1.4	8.5
RP	2.03:	FOREST PROTECTION	0.0	0.0	4.1	4.1	0.0	0.0	0.0	0.0	0.0	4.1
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	8.8	8.8	0.1	0.0	0.0	0.0	0.1	8.7
RP	2.08:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	10.2	10.2	0.0	0.0	0.0	0.0	0.0	10.2
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.2	1.2	0.1	0.0	0.0	0.0	0.1	1.3
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	1.4	0.0	0.0	1.4	0.9	0.0	0.0	0.0	0.9	2.4
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP	4.08:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL			4.8	0.0	32.2	37.0	15.8	0.0	0.0	0.0	15.8	52.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## ARIZONA

			+	USOA	+	+	1890/	OTHER INSTITUTIONS	+			GRAND	
			ARS/HNIS	ERS/	FS	USOA	SAES	TUSK	FRSTRY	VET	OTHR	TOTAL	TOTAL
			/OICO	ACS		TOTAL			SCH	SCH			
RP	1.01:	SOIL & LAND USE	2.3	0.0	0.0	2.3	2.9	0.0	0.0	0.0	0.0	2.9	5.2
RP	1.02:	WATER & WATERSHEOS	15.1	0.0	0.0	15.1	12.2	0.0	0.0	0.0	0.0	12.2	27.3
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	1.04:	ENVIRONMENTAL QUALITY	0.5	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	2.0	2.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.4	0.0	0.0	1.4	0.4	0.0	0.0	0.0	0.0	0.4	1.8
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.07:	REMOTE SENSING	1.2	0.0	0.0	1.2	1.9	0.0	0.0	0.0	0.0	1.9	3.1
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0	3.2	3.2
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	6.4	6.4	0.0	0.0	1.3	0.0	0.0	1.3	7.7
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.6	0.6	1.5	0.0	0.2	0.0	0.0	1.7	2.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.1	4.1	2.0	0.0	0.0	0.0	0.0	2.0	6.2
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.9	3.9	2.4	0.0	0.0	0.0	0.0	2.4	6.3
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.3	0.0	0.4	0.0	0.0	1.7	1.7
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	1.0	0.0	0.0	1.0	1.2	0.0	0.0	0.0	0.0	1.2	2.2
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.09:	FORAGE, RANGE, & PASTURE	10.2	0.0	0.0	10.2	5.4	0.0	0.0	0.0	0.0	5.4	15.6
RP	3.10:	COTTON	14.9	0.0	0.0	14.9	8.7	0.0	0.0	0.0	0.0	8.7	23.7
RP	3.11:	TOBACCO	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	3.12:	NEW CROPS & MINOR OILSEEDS	4.6	0.0	0.0	4.6	4.4	0.0	0.0	0.0	0.0	4.4	9.0
RP	3.13:	FRUIT	0.9	0.0	0.0	0.9	2.9	0.0	0.0	0.0	0.0	2.9	3.9
RP	3.14:	VEGETABLE CROPS	0.7	0.0	0.0	0.7	5.9	0.0	0.0	0.0	0.0	5.9	6.6
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	6.5	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	6.5
RP	3.19:	NONSPECIFIC PLANTS	0.3	0.0	0.0	0.3	1.5	0.0	0.0	0.0	0.0	1.5	1.9
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9	6.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM SUMMARY

## ARIZONA

	ARS/HNIS /OICO	USDA ERS/ ACS	USDA FS TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	8.9	8.9
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.6	1.7	1.7
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.9	3.9
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	1.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	3.5	3.5
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	4.3	4.3
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	7.5	7.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.0	0.0	0.0	2.0	1.9	0.0	0.0	0.0	1.9	3.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	3.7	3.7
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	62.1	0.0	15.2	77.3	127.5	0.0	3.6	0.6	131.7	209.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## CALIFORNIA

			ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	5.3	0.0	0.0	5.3	15.7	0.0	0.0	0.0	0.0	15.7	21.1
RP	1.02:	WATER & WATERSHEOS	10.1	0.0	0.0	10.1	10.3	0.0	0.0	0.0	0.0	10.3	20.5
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	1.04:	ENVIRONMENTAL QUALITY	6.7	0.0	0.0	6.7	23.3	0.0	0.0	2.1	0.0	25.4	32.1
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	5.5	0.0	0.3	0.0	0.0	5.8	5.8
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.1	0.0	9.8	9.8
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.0	1.0	1.7	0.0	0.1	0.0	0.0	1.9	2.9
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	13.0	13.0	8.7	0.0	0.1	0.0	0.0	8.9	21.9
RP	2.03:	FOREST PROTECTION	0.0	0.0	33.0	33.0	8.0	0.0	0.0	0.0	0.0	8.0	41.0
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.2	11.3	11.3
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	4.0	4.0	1.8	0.0	0.0	0.0	0.0	1.8	5.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	4.5	4.5	2.8	0.0	0.0	0.0	0.0	2.8	7.4
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	5.0	5.0	0.3	0.0	0.0	0.0	0.0	0.3	5.3
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	2.09:	TECHNICAL ASSISTANCE	1.8	0.0	0.0	1.8	1.1	0.0	0.0	0.0	0.0	1.1	2.9
RP	3.01:	CORN	8.0	0.0	0.0	8.0	3.0	0.0	0.0	0.0	1.5	4.5	12.6
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2
RP	3.03:	WHEAT	17.7	0.0	0.0	17.7	2.4	0.0	0.0	0.0	0.0	2.4	20.2
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	3.3	0.0	0.0	3.3	2.5	0.0	0.0	0.0	0.0	2.5	5.9
RP	3.05:	RICE	1.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	2.0	3.0
RP	3.06:	SOYBEANS	1.2	0.0	0.0	1.2	3.9	0.0	0.0	0.0	0.0	3.9	5.1
RP	3.08:	SUGAR	6.0	0.0	0.0	6.0	2.0	0.0	0.0	0.0	0.0	2.0	8.0
RP	3.09:	FORAGE, RANGE, & PASTURE	6.0	0.0	0.0	6.0	14.5	0.0	0.0	0.0	0.0	14.5	20.6
RP	3.10:	COTTON	3.7	0.0	0.0	3.7	8.3	0.0	0.0	0.0	0.0	8.3	12.1
RP	3.11:	TOBACCO	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	3.9	0.0	0.0	3.9	6.2	0.0	0.0	0.0	0.0	6.2	10.1
RP	3.13:	FRUIT	42.0	0.0	0.0	42.0	63.6	0.0	0.0	0.0	2.1	65.7	107.7
RP	3.14:	VEGETABLE CROPS	32.4	0.0	0.0	32.4	31.5	0.0	0.0	0.0	0.2	31.7	64.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9	9.9
RP	3.16:	BEEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RP	3.17:	WEEEDS IN CROPS	0.8	0.0	0.0	0.8	1.1	0.0	0.0	0.0	0.0	1.1	2.0
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	3.19:	NONSPECIFIC PLANTS	8.5	0.0	0.0	8.5	50.3	0.0	0.0	0.0	0.9	51.2	59.8
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	7.1	0.0	0.0	4.8	0.0	11.9	11.9
RP	4.02:	DAIRY	3.1	0.0	0.0	3.1	10.4	0.0	0.0	9.9	0.0	20.3	23.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## CALIFORNIA

	ARS/ HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	DTHR	TOTAL	GRAND TOTAL
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.4	0.2	9.8	9.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	5.2	0.0	0.0	1.0	0.0	6.2	6.2
RP 4.05: SWINE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.4	0.0	1.8	1.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	4.3	0.0	0.0	15.5	0.5	20.4	20.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	10.6	0.0	0.0	2.7	0.0	13.3	13.3
RP 4.08: NONSPECIFIC ANIMALS	1.7	0.0	0.0	1.7	16.1	0.0	0.0	37.5	2.4	56.0	57.8
RP 4.09: INVERTEBRATES	0.5	0.0	0.0	0.5	18.3	0.0	0.0	0.0	0.0	18.3	18.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	10.7	10.7
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.1	0.0	0.0	1.1	8.7	0.0	0.0	0.0	0.0	8.7	9.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	8.0
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	4.4	0.0	0.0	4.4	45.6	0.0	0.0	0.0	0.0	45.6	50.0
RP 8.01: HUMAN NUTRITION	23.1	0.0	0.0	23.1	16.0	0.0	0.0	2.0	0.0	18.0	41.1
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 8.03: FOOD SAFETY	8.3	0.0	0.0	8.3	11.0	0.0	0.0	0.5	0.0	11.5	19.8
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
GRAND TOTAL	202.3	0.0	60.6	262.9	525.3	0.0	0.6	77.1	8.2	611.2	674.1

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## COLORADO

			ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	7.8	0.0	0.0	7.8	1.8	0.0	0.0	0.0	0.0	1.8	9.2
RP	1.02:	WATER & WATERSHEDS	8.4	0.0	0.0	8.4	7.3	0.0	0.0	0.0	0.0	7.3	15.8
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	1.04:	ENVIRONMENTAL QUALITY	0.2	0.0	0.0	0.2	1.6	0.0	0.0	0.0	0.0	1.6	1.8
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	1.07:	REMOTE SENSING	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	4.3	4.3	1.0	0.0	0.0	0.0	0.0	1.0	5.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	1.8	1.8	0.2	0.0	0.0	0.0	0.0	0.2	1.8
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.4	0.4
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	3.5	3.5	0.1	0.0	0.0	0.0	0.0	0.1	3.7
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.9	0.9	1.1	0.0	0.0	0.0	0.0	1.1	2.0
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	8.2	8.2	1.9	0.0	0.0	0.0	0.0	1.9	8.1
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.01:	CORN	1.2	0.0	0.0	1.2	1.5	0.0	0.0	0.0	0.0	1.5	2.8
RP	3.02:	GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.3
RP	3.03:	WHEAT	2.0	0.0	0.0	2.0	5.6	0.0	0.0	0.0	0.0	5.6	7.6
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	1.7	0.0	0.0	0.0	0.0	1.7	1.8
RP	3.06:	SOYBEANS	0.6	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.1	0.7
RP	3.08:	SUGAR	3.8	0.0	0.0	3.8	0.1	0.0	0.0	0.0	0.0	0.1	3.9
RP	3.09:	FORAGE, RANGE, & PASTURE	4.9	0.0	0.0	4.9	7.5	0.0	0.0	0.0	0.0	7.5	12.1
RP	3.10:	COTTON	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	3.14:	VEGETABLE CROPS	1.1	0.0	0.0	1.1	4.2	0.0	0.0	0.0	0.0	4.2	5.3
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.17:	WEEDS IN CROPS	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.18:	SEEDS	1.5	0.0	0.0	1.5	1.3	0.0	0.0	0.0	0.0	1.3	2.8
RP	3.19:	NONSPECIFIC PLANTS	3.8	0.0	0.0	3.8	3.0	0.0	0.0	0.0	0.0	3.0	6.9
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	8.4	0.0	0.0	55.3	0.0	61.7	61.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	12.8	0.0	13.3	13.3
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	2.0	0.0	0.0	15.0	0.0	17.1	17.1
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

COLORADO

			ARS/HNIS /OICO	USOA ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.7	0.0	0.0	1.7	1.1	0.0	0.0	0.0	0.0	1.1	2.8
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.2	1.2	1.2
RP	8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL			38.2	0.0	18.7	56.9	69.4	0.0	0.0	84.4	0.4	154.2	211.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

GUAM

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	6.3	6.3
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	13.6	13.6

**REGION 4**

HAWAII

			USDA		USDA		OTHER INSTITUTIONS						GRAND TOTAL
			ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	3.7	3.7	1.6	0.0	0.0	0.0	0.0	1.6	5.3
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.7
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.01:	CORN	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.05:	RICE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.08:	SUGAR	2.2	0.0	0.0	2.2	0.2	0.0	0.0	0.0	0.0	0.2	2.4
RP	3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	3.13:	FRUIT	12.2	0.0	0.0	12.2	16.1	0.0	0.0	0.0	0.0	16.1	28.3
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	16.1	0.0	0.0	0.0	0.0	16.1	16.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3	8.3
RP	3.17:	WEEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	4.01:	BEEF	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	4.07:	AQUATIC FOOD & FEEDSTUFFS	1.0	0.0	0.0	1.0	5.0	0.0	0.0	0.0	1.2	6.2	7.2
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.7	1.6	2.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

HAWAII

	ARS/HNIS /OICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 8.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	6.3	7.8	7.8
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	16.4	0.0	4.2	20.6	96.0	0.0	0.0	0.0	8.4	104.4	125.0

REGION 4

IOAHO

246

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM SUMMARY

IDAHO

	-----+ ARS/HNIS /OICD	USDA ERS/ ACS	-----+ FS	USDA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ DTHR	TOTAL	GRAND TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	38.4	0.0	22.3	60.7	83.5	0.0	19.0	0.0	0.1	102.6	163.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

MONTANA

		+	-----	USDA	-----	+	-----	OTHER INSTITUTIONS	-----	+		
		ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01: SOIL & LAND USE	0.4	0.0	0.0	0.4	3.4	0.0	0.0	0.0	0.0	3.4	3.8
RP	1.02: WATER & WATERSHEDS	0.3	0.0	0.0	0.3	2.6	0.0	0.0	0.0	0.0	2.6	3.0
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.08: AQUATIC WEEDS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	3.5	3.5	0.0	0.0	4.6	0.0	0.0	4.6	8.1
RP	2.03: FOREST PROTECTION	0.0	0.0	16.1	16.1	0.1	0.0	0.1	0.0	0.0	0.2	16.3
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.0	2.0	0.0	0.0	0.5	0.0	0.0	0.5	2.5
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	3.9	3.9
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.8	1.8	0.0	0.0	3.2	0.0	0.0	3.2	5.0
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.0	2.0	0.0	0.0	3.7	0.0	0.0	3.7	5.7
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP	3.01: CORN	0.3	0.0	0.0	0.3	1.1	0.0	0.0	0.0	0.0	1.1	1.4
RP	3.03: WHEAT	1.8	0.0	0.0	1.8	11.5	0.0	0.0	0.0	0.0	11.5	13.5
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	1.8	0.0	0.0	1.8	8.2	0.0	0.0	0.0	0.0	8.2	9.8
RP	3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.08: SUGAR	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.09: FORAGE, RANGE, & PASTURE	17.0	0.0	0.0	17.0	7.6	0.0	0.0	0.0	0.0	7.6	24.7
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.3	0.0	0.0	0.3	1.1	0.0	0.0	0.0	0.0	1.1	1.4
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP	3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	4.01: BEEF	8.5	0.0	0.0	8.5	10.1	0.0	0.0	0.0	0.0	10.1	18.7
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	4.05: SWINE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4											
MONTANA											
		USDA				OTHER INSTITUTIONS					
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1
GRAND TOTAL		29.0	0.0	27.5	56.5	75.9	0.0	16.9	0.0	0.0	92.8
											149.3



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

NEVADA

		+	-----	USDA	-----	+	+	-----	OTHER INSTITUTIONS	-----	+	
		ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
		/OICO	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	2.08: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01: CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.09: FORAGE, RANGE, & PASTURE	4.9	0.0	0.0	4.9	2.1	0.0	0.0	0.0	0.0	2.1	7.1
RP	3.10: COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	4.01: BEEF	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	4.02: DAIRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.04: SHEEP	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP	5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL		5.0	0.0	1.0	6.0	33.1	0.0	0.0	0.0	0.0	33.1	39.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## NEW MEXICO

			+	USOA	+	+	OTHER INSTITUTIONS				+		
			ARS/HNIS	ERS/	FS	USOA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND
			/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL
RP	1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	1.02:	WATER & WATERSHEOS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP	1.08:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	1.5	1.5	0.2	0.0	0.0	0.0	0.0	0.2	1.8
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.5	1.5	0.6	0.0	0.0	0.0	0.0	0.6	2.1
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.03:	WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	3.07:	PEANUTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.09:	FORAGE, RANGE, & PASTURE	3.7	0.0	0.0	3.7	8.5	0.0	0.0	0.0	0.0	8.5	12.2
RP	3.10:	COTTON	3.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	6.0
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	3.13:	FRUIT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	4.01:	BEEF	0.3	0.0	0.0	0.3	7.5	0.0	0.0	0.0	0.0	7.5	7.8
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.04:	SHEEP	0.9	0.0	0.0	0.9	1.7	0.0	0.0	0.0	0.0	1.7	2.6
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	4.08:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## NEW MEXICO

	+	USDA	+	+	OTHER INSTITUTIONS	+						
	ARS/HNIS	ERS/	FS	USDA	SAES	1890/	FRSTRY	VET	OTHR	TOTAL	GRAND	
	/OICD	ACS		TOTAL		TUSK	SCH	SCH			TOTAL	
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5	
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1	
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	
GRAND TOTAL	8.0	0.0	4.1	12.1	63.3	0.0	0.0	0.0	0.0	63.3	75.4	

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## NORTHERN MARIANAS

	ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	INSTITUTIONS VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
GRAND TOTAL	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

REGION 4

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			ARS/HNIS /DICO	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.8	0.0	0.0	0.8	6.2	0.0	1.0	0.0	0.0	7.3	8.1
RP	1.02:	WATER & WATERSHEDS	1.5	0.0	0.0	1.5	5.6	0.0	1.9	0.0	0.0	7.6	9.1
RP	1.03:	RECREATION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.2	0.0	0.9	0.0	0.0	4.2	4.2
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.5	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.6
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	9.2	0.0	1.3	0.0	0.0	10.5	10.5
RP	1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	7.4	7.4	0.6	0.0	1.3	0.0	0.0	2.0	9.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	19.2	19.2	3.0	0.0	15.6	0.0	0.0	18.6	37.8
RP	2.03:	FOREST PROTECTION	0.0	0.0	16.8	16.8	0.4	0.0	2.0	0.0	0.0	2.5	19.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	13.5	13.5	0.0	0.0	25.6	0.0	0.2	25.8	39.3
RP	2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.7	5.7	0.6	0.0	5.8	0.0	0.0	6.4	12.2
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.4	1.4	0.8	0.0	1.0	0.0	0.0	1.8	3.2
RP	2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	6.8	6.8
RP	2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.2	1.2	0.2	0.0	0.1	0.0	0.0	0.3	1.6
RP	2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.03:	WHEAT	6.4	0.0	0.0	6.4	10.2	0.0	0.0	0.0	0.0	10.2	16.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.09:	FORAGE, RANGE, & PASTURE	10.2	0.0	0.0	10.3	7.0	0.0	0.0	0.0	0.0	7.0	17.3
RP	3.11:	TObACCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.12:	NEW CROPS & MINOR CROPS	1.4	0.0	0.0	1.4	7.0	0.0	0.0	0.0	0.0	7.0	8.4
RP	3.13:	FRUIT	4.9	0.0	0.0	4.9	22.5	0.0	0.0	0.0	0.0	22.5	27.4
RP	3.14:	VEGETABLE CROPS	2.6	0.0	0.0	2.6	17.2	0.0	0.0	0.0	0.3	17.5	20.1
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.8	0.0	0.0	0.8	5.1	0.0	0.0	0.0	0.0	5.1	5.9
RP	3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.3
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	3.19:	NONSPECIFIC PLANTS	4.0	0.0	0.0	4.0	3.4	0.0	0.1	0.0	0.0	3.5	7.5
RP	4.01:	BEEF	0.7	0.0	0.0	0.7	9.4	0.0	0.0	0.2	0.0	9.7	10.4
RP	4.02:	DAIRY	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	4.03:	POULTRY	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.1	0.0	3.8	3.8
RP	4.04:	SHEEP	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.5	2.5
RP	4.05:	SWINE	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.1	0.0	1.5	1.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## OREGON

		+-----+ USDA		+-----+ USDA		+-----+ OTHER INSTITUTIONS					+-----+ GRAND	
		ARS/HNIS	ERS/	FS	TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	TOTAL
		/OICD	ACS									
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.7	0.0	3.6	3.6
RP	4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP	4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	1.8	0.0	4.5	4.5
RP	4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.2	0.0	1.1	0.0	0.0	4.3	4.3
RP	6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP	6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.8	0.0	0.5	0.0	0.0	5.4	5.4
RP	8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP	8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
GRAND TOTAL		34.2	0.0	65.5	99.7	174.2	0.0	66.4	3.9	0.6	245.1	344.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

REGION 4

## RESEARCH PROGRAM SUMMARY

UTAH

		ARS/HNIS /OICD	USDA ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP	1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	1.08: AQUATIC WEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.1	4.1	1.7	0.0	0.0	0.0	0.0	1.7	5.8
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.03: FOREST PROTECTION	0.0	0.0	3.3	3.3	0.6	0.0	0.0	0.0	0.0	0.6	3.9
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.9	4.9	1.4	0.0	0.0	0.0	0.0	1.4	6.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.4	3.4	4.2	0.0	0.0	0.0	0.0	4.2	7.7
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	3.01: CORN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.03: WHEAT	0.2	0.0	0.0	0.2	3.7	0.0	0.0	0.0	0.0	3.7	3.9
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP	3.09: FORAGE, RANGE, & PASTURE	10.1	0.0	0.0	10.1	7.7	0.0	0.0	0.0	0.0	7.7	17.8
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.13: FRUIT	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP	3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2
RP	3.16: BEES & OTHER POLLINATING INSECTS	3.9	0.0	0.0	3.9	0.7	0.0	0.0	0.0	0.0	0.7	4.6
RP	3.18: SEEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.8	4.5	4.5
RP	4.01: BEEF	3.1	0.0	0.0	3.1	1.6	0.0	0.0	0.0	0.0	1.6	4.8
RP	4.02: DAIRY	2.5	0.0	0.0	2.5	12.6	0.0	0.0	0.0	0.0	12.6	15.1
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP	4.04: SHEEP	2.6	0.0	0.0	2.6	3.7	0.0	0.0	0.0	0.0	3.7	6.3
RP	4.05: SWINE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.9	0.0	0.0	0.9	1.5	0.0	0.0	0.0	0.0	1.5	2.5
RP	4.08: NONSPECIFIC ANIMALS	0.5	0.0	0.0	0.5	8.6	0.0	0.0	0.0	0.0	6.6	7.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990								REGION 4				
RESEARCH PROGRAM SUMMARY								UTAH				
		+	USDA		+	OTHER INSTITUTIONS				+		
		ARS/HNIS	ERS/			SAES	1890/	PRSTRY	VET			GRAND
		/OICO	ACS	FS	USDA		TUSK	SCH	SCH	OTHR	TOTAL	TOTAL
RP	4.08:											
	INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	5.01:											
	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP	5.03:											
	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP	6.01:											
	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	6.02:											
	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	6.03:											
	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	7.02:											
	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	8.01:											
	HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP	8.03:											
	FOOD SAFETY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
GRAND TOTAL		24.2	0.0	15.8	40.0	81.7	0.0	0.0	0.0	0.8	82.5	122.5



TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## WASHINGTON

		-----+ ARS/HNIS /OICO	USOA ERS/ ACS	-----+ FS USOA TOTAL	-----+ SAES	1890/ TUSK	OTHER INSTITUTIONS FRSTRY SCH	VET SCH	-----+ OTHR	TOTAL	GRAND TOTAL
RP	1.01: SOIL & LAND USE	4.7	0.0	0.0	4.7	3.1	0.0	0.0	0.0	3.1	7.8
RP	1.02: WATER & WATERSHEDS	2.8	0.0	0.0	2.8	2.3	0.0	0.0	0.0	2.4	5.3
RP	1.03: RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP	1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.5	0.0	0.7	0.0	2.2	2.2
RP	1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.6	0.6
RP	1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	3.4	3.4
RP	1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	1.0	0.0	1.3	1.3
RP	2.02: TIMBER MANAGEMENT	0.0	0.0	1.2	1.2	1.6	0.0	3.8	0.0	6.1	7.3
RP	2.03: FOREST PROTECTION	0.0	0.0	2.4	2.4	1.6	0.0	0.6	0.0	2.2	4.6
RP	2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.0	5.0	0.7	0.0	6.0	0.0	7.3	12.3
RP	2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	0.3	0.0	4.7	0.0	5.1	7.3
RP	2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.1	3.1	0.0	0.0	0.5	0.0	0.5	3.7
RP	2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.0	2.0	0.0	0.0	1.3	0.0	1.3	3.3
RP	2.08: ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.7	0.0	0.7	1.0
RP	2.09: TECHNICAL ASSISTANCE	1.4	0.0	0.0	1.4	0.0	0.0	0.1	0.0	0.1	1.5
RP	2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2
RP	3.01: CORN	0.4	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.8
RP	3.03: WHEAT	11.8	0.0	0.0	11.8	8.5	0.0	0.0	0.0	8.5	20.3
RP	3.04: SMALL GRAINS OTHER THAN WHEAT	1.2	0.0	0.0	1.2	1.7	0.0	0.0	0.0	1.7	2.9
RP	3.05: RICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP	3.09: FORAGE, RANGE, & PASTURE	4.3	0.0	0.0	4.3	3.6	0.0	0.0	0.0	3.6	8.0
RP	3.10: COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP	3.11: TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP	3.12: NEW CROPS & MINOR OILSEEDS	0.5	0.0	0.0	0.5	5.1	0.0	0.2	0.0	5.3	5.8
RP	3.13: FRUIT	15.1	0.0	0.0	15.1	20.2	0.0	0.0	0.0	20.2	35.3
RP	3.14: VEGETABLE CROPS	14.7	0.0	0.0	14.7	12.0	0.0	0.0	0.0	12.0	26.7
RP	3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6	3.6
RP	3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP	3.17: WEEDS IN CROPS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4
RP	3.18: SEEDS	0.3	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.7	1.0
RP	3.19: NONSPECIFIC PLANTS	0.4	0.0	0.0	0.4	7.1	0.0	0.1	0.0	7.4	7.9
RP	4.01: BEEF	3.8	0.0	0.0	3.8	2.5	0.0	0.0	0.0	2.5	6.3
RP	4.02: DAIRY	0.6	0.0	0.0	0.6	6.4	0.0	0.0	0.0	6.4	7.0
RP	4.03: POULTRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.6	2.6
RP	4.04: SHEEP	2.7	0.0	0.0	2.7	1.1	0.0	0.0	0.0	1.1	3.8

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## WASHINGTON

	USOA				OTHER INSTITUTIONS						GRAND TOTAL
	ARS/HNIS /OICO	ERS/ ACS	FS	USOA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.3	1.1	1.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	1.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.2	0.0	0.4	0.0	0.0	1.6	1.6
RP 4.08: INVERTEBRATES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.3	1.5	1.5
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.1	0.0	0.0	1.0	1.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.9	0.0	0.2	0.0	0.0	3.1	3.1
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.7	0.0	0.0	1.7	1.8	0.0	0.0	0.0	0.0	1.8	3.5
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	68.1	0.0	16.3	84.4	118.7	0.0	21.3	0.0	2.1	142.1	226.5

TABLE V-8 STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1990

## RESEARCH PROGRAM SUMMARY

## REGION 4

## WYOMING

			+	USDA		+	OTHER INSTITUTIONS				+		
			ARS/HNIS /DICO	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP	1.01:	SOIL & LAND USE	0.2	0.0	0.0	0.2	0.9	0.0	0.0	0.0	0.0	0.9	1.2
RP	1.02:	WATER & WATERSHEOS	0.1	0.0	0.0	0.1	1.9	0.0	0.0	0.0	0.0	1.9	2.0
RP	1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP	2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	2.05:	FOREST WATERSHEOS, SOILS, POLLUTION	0.0	0.0	2.3	2.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
RP	2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.5	2.5	1.7	0.0	0.0	0.0	0.0	1.7	4.2
RP	3.01:	CORN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP	3.03:	WHEAT	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.6	0.7
RP	3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	3.08:	SUGAR	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	3.09:	FORAGE, RANGE, & PASTURE	1.1	0.0	0.0	1.1	7.4	0.0	0.0	0.0	0.0	7.4	8.5
RP	3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP	3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP	3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP	3.18:	SEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP	3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP	4.01:	BEEF	5.1	0.0	0.0	5.1	11.2	0.0	0.0	0.0	0.0	11.2	16.4
RP	4.02:	DAIRY	4.4	0.0	0.0	4.4	0.9	0.0	0.0	0.0	0.0	0.9	5.3
RP	4.04:	SHEEP	2.2	0.0	0.0	2.2	4.6	0.0	0.0	0.0	0.0	4.6	6.8
RP	4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.6	0.7
RP	4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP	5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP	5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP	5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP	6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP	6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP	8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
GRAND TOTAL			14.0	0.0	4.8	18.8	48.0	0.0	0.0	0.0	0.0	48.0	66.8